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| 1081 | HWMCK4 5 | 875552 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 628 of SEQ ID NO:1081, b is an integer of 15 to 642, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1081, and where b is greater than or equal to a + 14. | AR052274, Y09669, A43192, A43190, AR038669, AR066490, AR066487, A30438, I18367, X64588, I14842, AR054175, D50010, Y17187, AR008277, AR008281, A63261, X68127, AR008408, AB012117, AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, I79511, AR060133, A85396, D88507, AR066482, A44171, A85477, I19525, A86792, I32384, X93549, U79457, AF123263, AR032065, AR008382 W44982, AC003042 |
| 1082 | HKAFL60 | 875553 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 556 of SEQ ID NO:1082, b is an integer of 15 to 570, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1082, and where b is greater than or equal to a + 14. | AI871640, AI809329, AW293495, AI631630, AA731792, AA809789, H97646, AA564836, AI913067, AL117328 |
| 1083 | HUSXP66 | 875554 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI800576, AI376958, AI087840, AW069881, AI038673, AW339528, AW440579, AI057432, AI800751, AW371940, AA580863, R06900, AA026058, |

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| 1084 | HTLEY14 | 875556 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 661 of SEQ ID NO:1083, b is an integer of 15 to 675, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1083, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 614 of SEQ ID NO:1084, b is an integer of 15 to 628, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1084, and where b is greater than or equal to a + 14.</p> | AA252326 | <p>AI631620, AL038838, AL038983, AL038822, AL037436, AI142134, AL040617, AL044186, AL041238, AL047012, AL044037, AL038532, AL047170, AL040463, AL037727, AL040576, AL045753, AL041752, AL045684, AL040625, AL047219, AL044162, AL041602, AL043492, AL040839, AL043677, AL040193, AL043467, AL040510, AL040621, AL043538, AL047183, AL043496, AL040464, AL046442, AL041635, AL045817, AL041133, AL041324, AL040322, AL041098, AL044074, AL040119, AL041955, AL040294, AL043923, AL043814, AL041096, AL043845, AL045920, AL041163, AL047057, AL037435, AL044064, AL040149, AL041459, AL041730, AL041523, AL041159, AL041577, AL040472, AL038761, AL043627, AL040052, AL037295, AL041374, AL041292, AL041358, AL046850, AL040444, AL041296, AL040768, AL040332, AL043848, AL041142, AL042135, AL043570, AL041346, AL046994, AL041086, AL046914, AL040529, AL040370, AL040745, AL046330, AL041197, AL039316, AL046392, AL040128, AL044272, AL134524, AL045671, AL047036, AL041233, AL040342, AL037343, AL037335, AL044258, AL040148, AL040553, AL040458, AL044187, AL044199, AL037323, AL044125, AL049018, AL040285, AL045990,</p> |
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AL046327, AL041277, AL040091, AL037443,
AL040155, AL041347, AL041131, AL039744,
AL041168, AL044165, AL044274, AL040571,
AL039338, AL041051, AL040168, AL039643,
AL079878, AL040075, AL045989, AL041186,
AL039432, AL042096, AL041246, AL040414,
AL040253, AL041227, AL040090, AL043775,
AL044201, AL043941, AL037341, AL041140,
AL045857, AL040082, AL041278, AL040329,
AL043444, AL079852, AL045725, AL039915,
AL043612, AL040255, AL040238, AL040263,
AL039360, AL042898, AL045328, AL037279,
AL041210, AL049069, AL044529, AL047037,
AL043537, Z30131, AL038745, T23957, T23985,
AL080031, AL046147, AA585439, AL045211, Z28355,
AA585101, AI541365, AI525556, AI541374,
AI540967, AI525431, AI541523, AI541514, T23888,
T11028, R29445, R28735, T41289, D61254,
AI547039, AI557731, AI526073, AL134110, R29177,
AA585453, AI525320, AL047163, AA585476,
AI525306, AI541535, AI546855, AA174170,
AI556967, AI541509, AI546828, AI535639,
AI557262, AI526194, AI526140, AI541017,
AI541013, AI541508, AI547295, AI546891,
AI557787, AI525316, C16305, AI546999, AL045327,
AL041344, AI541510, C16300, AI541390, AI557799,
AI557807, D57491, AI541307, AL043440, R29218,
C15189, AL036259, AL046097, AI525321, AI525328,
AI526187, AI526184, AI557238, AI546945,
AL040385, AA585438, D55233, C14723, AA585434,
AI526144, AA585356, AI546899, AI546875,
AL045994, AJ239433, AI557796, AI541534,
AI526176, AA585440, AR064707, I15717, I15718,
I08395, M28262, E13740, AJ244003, AJ244004,
E03627, I48927, AJ244005, I08396, A60212,
A60209, A60210, Y16359, A60211, A98767, D78345,

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| | A93963, A93964, AR062872, I63120, AR017907, AR062873, AR062871, A25909, I06859, A18050, A23334, A75888, I70384, A90655, A02712, A60111, I84553, A23633, AR007512, AF082186, A81878, I84554, A77094, A77095, AR031566, A85395, A85476, I00682, A95051, A18053, A86792, A20702, A64973, A35536, A35537, X83865, A11623, E00609, A11624, A43189, A43188, A20700, A02135, A04663, A02136, A04664, A84772, A11178, E01007, A98420, A98423, A98432, A98436, A98417, A98427, A84776, A84773, A84775, A84774, I13349, A10361, AR067731, AR037157, AR054109, AR067732, A58522, AR038855, AR043601, A11245, A91750, I44681, I03331, A02710, E12615, I18895, AR035193, A92133, E14304, A07700, A13392, A13393, I62368, AR031488, I13521, I52048, A27396, A91965, E16678, AR027100, I49890, I44531, I28266, I21869, I44516, A70040, A82653, AF149828, E16636, A95117, A93016, A24783, A24782, A58524, I05558, A58523, I01995, I25027, I26929, I44515, I26928, I26930, I26927, I08051, I60241, I60242, AR038762, A20699, E00696, E00697, AR009151, I66485, I66487, E03813, I66482, I66483, I66484, I66498, I66497, I66496, AR038066, AR027099, I66486, AJ230935, AR051652, AR051651, AJ244007, AJ230902, AR008429, A22738, I08389, X07299, D13316, AJ230972, AB025273, U94592, D50010, AJ230951, AR051957, AJ231009, Y09813, AJ238010, E12584, X81969, I19525, AR066494, Z32836, AR035975, AR035977, I18302, D13509, A70872, AJ231028, E17098, I66495, I66494, A22734, AR022273, AJ230867, AR035974, AR035976, AR035978, A70869, AL137394, AB014583, AL080126, AJ230845, I36244, AR051864, D17247, AR051865, A93923, A06631, S60422, AJ231011, A93916, Y14219, AR063812, A24548, A24546, I05845, |
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| 1085 | HOFMV44 | 875558 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1342 of SEQ ID NO:1085, b is an integer of 15 to 1356, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1085, and where b is greater than or equal to a + 14.</p> | <p>A93931, A16035, AJ230996, I03669, I03668, I33632, AR009152, A68112, A68104, I15353, A85203, I66481, A83642, A83643, I66488, E03654, I66489, I66490, I66491, I66492, I66493, AR054723, A05993, A05975, A05973, A05991, A05995, A83151, AR023813, AL133053, AL122101</p> <p>AA459463, AI219490, AA705318, AA459242, AA574007, N44974, N33185, AI246251, AW270960, W96335, AI247249, AW118922</p> |
| 1086 | HSLIN60 | 875559 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 689 of SEQ ID NO:1086, b is an integer of 15 to 703, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1086, and where b is greater than or equal to a + 14.</p> | <p>AA043203, AA633788, AA779964, AA077596, AA993172, AA721605, AA993810, N58116, W02490, AA250756, AA410936, AA812535, AW105026, AA978273, AA912417, AI015512, AA323882, N74558, AC002542</p> |
| 1087 | HCQAG54 | 875560 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 465 of</p> | <p>T59843, AA664394, AA224827, T59708</p> |

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| 1088 | HHMMD6 0 | 875563 | SEQ ID NO:1087, b is an integer of 15 to 479, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1087, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1088, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1088, and where b is greater than or equal to a + 14. | AI926573, AI733887, AI732593, AA132660, AA132832, AC006449 |
| 1089 | HWLMB59 | 875564 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1060 of SEQ ID NO:1089, b is an integer of 15 to 1074, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1089, and where b is greater than or equal to a + 14. | AA418204, AI133717, AA007464, AA279666, AA281169, N78164, AC006059, AF184110 |
| 1090 | HUFAU68 | 875565 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1149 of | TI2323, H54278, AA032022, Z19186, R92145, TI9706, AA344428, AA031911, AW302758, AW187983, AB033011 |

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| 1091 | H2LAX58 | 875567 | <p>SEQ ID NO:1090, b is an integer of 15 to 1163, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1090, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 757 of SEQ ID NO:1091, b is an integer of 15 to 771, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1091, and where b is greater than or equal to a + 14.</p> | AA315557, AI632010, AI816905, R10787, D80166, D80212, D80022, C14389, C14331, D59619, D80210, D80240, D80219, D59502, D58283, D81030, D59859, D80043, D80195, D80391, D80164, D59787, D51423, D51799, D59275, D80253, D80227, D80193, C15076, D80196, D80045, D80188, D59467, D59927, C14429, D57483, D80269, D80366, D80038, D50979, D59889, R10697, D50995, AA305409, D59610, D80378, D80024, D80241, T03269, AW178893, D51060, C75259, C14014, AW178775, D51022, D80268, D81026, AW179328, D80134, AW177440, AW378532, D51250, D80522, AA305578, D80168, AW352158, D80949, F13647, AW369651, D59695, D80064, D80251, D80248, Z21582, D58253, AW178762, C14298, AA514188, AW177501, AW177511, C14227, D80133, D81111, C14407, AI910186, AA514186, AW352117, AW360811, D80132, AW378540, AI905856, AW377671, C05695, AW176467, AW375405, AW360844, AW179012, AW366296, AW360817, D80439, AW375406, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, AW177505, AW377676, D80247, AW178754, AW179024, AW352170, AW360834, D59373, AA285331, D51097, D80302, AW360841, AW179020, AW178909, AW177456, AW178906, AW177731, AW178907, AW179019, AW179018, AW178971, AI557751, D80157, AW352174, AW179004, AW179329, AW178980, AW177733, AW378528, AW179007, AW178908, T11417, AW179220, AW177714, C14077, AW179017, AW179009, AW178914, AW378543, AW378525, D51103, D51759, AW367967, AW177722, |
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| | | | | <p>D80014, T03116, AW178983, AW352120, AW177728, AW178774, AW178781, AW178911, AW352163, D58101, D59627, D59503, D58246, D59653, T48593, D80258, C06015, D51213, AI557774, C03092, AW177723, AW378539, H67866, D45260, AI535850, AI525923, T02974, C14975, AW378533, AW367950, AW178986, H67854, AA809122, AW177734, C14344, AW177508, C14046, AW177497, D45273, D80228, AI525917, D59317, C14973, D60010, D51221, H67858, D59474, AI525920, AI535686, AA514184, AW179013, D59551, AW178759, T03048, F13796, C14957, D60214, AI525227, AI525235, AI535961, C16955, Z33452, AI525242, AI525912, AW378542, C13958, AI525925, A62300, A84916, A62298, AJ132110, AR018138, X67155, Y17188, A67220, D34614, D26022, A25909, D89785, A78862, I82448, AF058696, D88547, AR008278, X82626, AB028859, AR025207, Y12724, AB012117, A82595, X68127, A94995, AR060385, A85396, AR066482, A44171, AB002449, A85477, AR008443, I19525, A86792, U87250, X93549, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, I14842, Y09669, A43192, A43190, AR038669, AR066490, AR066487, AR054175, A30438, I18367, D88507, D50010, Y17187, AF135125, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, AB033111, A64136, A68321, AR060133, I79511, X72378, AR064240, U87247, I32384, AB023656, U79457, AF123263, AR032065, X93535, AR008382</p> |
| 1092 | HCRQD82 | 875570 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 743 of</p> | <p>AW206804, AI337160, AI744024, H11326, AA886435, F10033, AA255487, AI499829, AW188608, AA508761</p> |

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| 1093 | HCRPV05 | 875572 | <p>SEQ ID NO:1092, b is an integer of 15 to 757, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1092, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 619 of SEQ ID NO:1093, b is an integer of 15 to 633, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1093, and where b is greater than or equal to a + 14.</p> | <p>AI955141, AI744943, R16287, R15781, AI440022</p> |
| 1094 | HHECM62 | 875573 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 534 of SEQ ID NO:1094, b is an integer of 15 to 548, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1094, and where b is greater than or equal to a + 14.</p> | <p>AI732599, AA132796, AW205259, AA885330, AA769901, AI609831, AW087786, AI423901, AA313420, AI791778</p> |
| 1095 | HFOXW88 | 875574 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 846 of</p> | <p>AA146968, AA699958, AA700342, AI378339, AA146969, R07642, R07689, AC006344</p> |

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| 1096 | HWLXT17 | 875578 | <p>SEQ ID NO:1095, b is an integer of 15 to 860, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1095, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1740 of SEQ ID NO:1096, b is an integer of 15 to 1754, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1096, and where b is greater than or equal to a + 14.</p> | <p>AI279511, AI679970, AA968450, AW081381, AI371994, AW450638, AI679532, N90808, AA399120, AA448632, AA398186, AA807135, R61258, AA769230, Z33585, R61259, AA746649, H10077, AA598764, R58928, AI700380, AL117693</p> |
| 1097 | HODAY72 | 875583 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of SEQ ID NO:1097, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1097, and where b is greater than or equal to a + 14.</p> | AA682526, AI702143, AC006352 |
| 1098 | HCQBI56 | 875584 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 150 of</p> | D44721 |

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| | | | SEQ ID NO:1098, b is an integer of 15 to 164, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1098, and where b is greater than or equal to a + 14. | |
| 1099 | HTTCM45 | 875585 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 562 of SEQ ID NO:1099, b is an integer of 15 to 576, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1099, and where b is greater than or equal to a + 14. | AL133757, M78501 |
| 1100 | HARNM58 | 875587 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 815 of SEQ ID NO:1100, b is an integer of 15 to 829, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1100, and where b is greater than or equal to a + 14. | AI640555, AW341429, AA010805, AW450715, AI040419, AI167746, AI123802, AA677191, AA972603, AI342357, AI050710, AI636070, AI636093, AW104447, AA011210, AW103112, AA625985, AI050704, H95386, W31489, AW452276, R43183, R45091 |
| 1101 | HMI AQ09 | 875588 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1006 of | AI433411, AA772279, AA931112, AI580387, AW182214, AW444853, AW236085, H84320, AA384441, AA309603, H84319, AA991549, AL133615 |

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| 1102 | HE9MD57 | 875589 | SEQ ID NO:1101, b is an integer of 15 to 1020, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1101, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 579 of SEQ ID NO:1102, b is an integer of 15 to 593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1102, and where b is greater than or equal to a + 14. | AA224205, AI750792, AI384092, AI827513, AI750808, AI081591, AA333825, R32422, R76408, AA682395, R06653 |
| 1103 | HCQDA63 | 875590 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1415 of SEQ ID NO:1103, b is an integer of 15 to 1429, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1103, and where b is greater than or equal to a + 14. | AI522107, AI378319, AA234318, AI692527, W38548, AI290259, AI470641, R19919, AA234561, AA973961, F11345, F09005, R45139, AI470879, AW132159, AA482991, AA988920, AA146698, H59248, H28631, H28612, AA205262, N56056, N90091, AA095089, H68801, AI341225, AW001798, AA205188, AC004067, AC002091, AC003695 |
| 1104 | HWLRO57 | 875594 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 713 of | H13920, R82788, Y15909 |

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| 1105 | HHEQO60 | 875596 | <p>SEQ ID NO:1104, b is an integer of 15 to 727, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1104, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 591 of SEQ ID NO:1105, b is an integer of 15 to 605, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1105, and where b is greater than or equal to a + 14.</p> | <p>AI638800, AI701032, AI568329, AI225238, Z82200</p> |
| 1106 | HMUBG89 | 875597 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 791 of SEQ ID NO:1106, b is an integer of 15 to 805, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1106, and where b is greater than or equal to a + 14.</p> | <p>H98768, AI300431, AI076535, AI082879, AI689961, H03865, AI701454, AI458282, N33061, W07734, AI263212, R46614, T67479, AI991356, AI654356, N78714, AI696043, N23489</p> |
| 1107 | HDPRN70 | 875598 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 341 of</p> | |

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| 1108 | HCRMC33 | 875600 | <p>SEQ ID NO:1107, b is an integer of 15 to 355, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1107, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 433 of SEQ ID NO:1108, b is an integer of 15 to 447, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1108, and where b is greater than or equal to a + 14.</p> | |
| 1109 | HROBR56 | 875604 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 788 of SEQ ID NO:1109, b is an integer of 15 to 802, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1109, and where b is greater than or equal to a + 14.</p> <p>AI657019, AI623299, AA393186, AA398646, AI263831, AA364607</p> | |
| 1110 | HWLMU3 3 | 875605 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 444 of</p> <p>AA126535</p> | |

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| 1111 | HCRQC94 | 875606 | <p>SEQ ID NO:1110, b is an integer of 15 to 458, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1110, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 740 of SEQ ID NO:1111, b is an integer of 15 to 754, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1111, and where b is greater than or equal to a + 14.</p> | AA533280, AI133211, AW275798, Z28740, H79608, Z99396, AW392670, AL119457, AW372827, AL119497, AW384394, AL119484, AL119391, AL119319, AL119483, AW363220, AL119324, AL119443, U46350, AL119522, AL119355, AL119363, U46351, U46341, U46349, AL119341, AL036418, AL038837, AL119335, AL119418, AL119396, AL119496, U46347, AL037051, AL042965, AL036725, AA631969, U46346, AL119444, AL037205, AL119439, AL134538, AL036858, AL134531, AL119401, AL134532, AL134533, AL134536, AL042614, AL042542, AL036924, AL042975, AL043029, AL042984, AL119399, AL134920, U46345, AL042544, AL043019, AL038509, AL042551, AL037085, AL043011, AL042450, AL037094, AL043003, AL037526, AL036196, AL037639, AL036268, AL037082, AL036767, AL036190, AL037077, AL119464, AL036774, AL038520, AL036998, AL038851, AL038447, AL036733, AL037178, AL036238, AL036719, AL037615, AL037027, AL036765, AL036191, AL036679, D63477, AR066494, AR060234, A81671, AB026436, AR023813, AR064707, AR054110, AR069079 |
| 1112 | HCRMQ55 | 875608 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 610 of SEQ ID NO:1112, b is an integer of 15 to 624, where both a and b</p> | N70420 |

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| 1113 | HSAZP81 | 875609 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1112, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 646 of SEQ ID NO:1113, b is an integer of 15 to 660, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1113, and where b is greater than or equal to a + 14.</p> | <p>AI863439, R11144, AI360315, AA203688, H24452, R11145, R01108, AW002361, Z41757, AW295865, AI961650, AI052438, AW131513, AW089844, AI688241, AW080746, AW163834, AI886884, AI076157, AI270183, AI918677, AI696603, AI499963, AI364167, AI470717, AW132056, AI524139, AA128660, AI872423, AI370623, AI927233, AW080700, AI281782, AA179186, AI582910, AW075382, AW004606, AI638644, AI522256, AW029489, AI439452, AI682798, AW188525, AI619820, AI621341, AA810605, AI554516, AA814343, AI868680, AW051088, AW084396, AA806720, AI590043, AI284084, AI926593, AI568293, W46513, AI698391, AW007580, AI866469, AI648699, AI561288, AW081515, AW129264, AW081349, AI628180, AW088560, AI909697, AI625226, AI559296, AI590227, AI932794, AW166583, T69241, AI633066, AI620864, AI561356, AI279677, AI633125, AI079226, AW087837, AI631273, AI538564, AI699175, AI915291, AW152182, AI434969, AI889862, AI696714, AW085734, AI434731, AI889189, AI678602, AI473536, AI338427, AI884318, AA745155, AI863319, AW081252, AI573164, AI520859, W74529, AI865906, AI912544, AI701097, AI571867, AI349482, AI439385, AW131282, AI499570, AI570056, AI699823, AI765103, AI918809, AI868931, AI333104, AW105296, AI553645, AI368943, AI934259, AI688300, AA836168, AW150750, AI888022, AI860027, AI270706, AI367680, AI630932, AI611738, A65341, AL137533, I89947, I33984, AF047716, A41579,</p> |
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| 1114 | HTJMO37 | 875610 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1114, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1114, and where b is greater than or equal to a + 14.</p> | <p>Z13966, U62966, AF199027, AR034821, L25851, AL050155, AR038854, AL122100, AL117587, AL137530, A77033, A77035, AL117460, Z97214, D44497, X95310, AL117636, A52184, X68560, S69381, X99971, AF116573, AF013214, AL080146, AF080068, Z82022, X59813, X66366, X66871, AL133665, AF183393, A58545, A23327, A76337, AL137271, E12806, AC006115, AL137711, AF185576, AF032666, A21103, AL133084, AL080159, AF059611, AL137478, AF106697, U73682, X52220, AL049557, AF167995, A86558, X61399, AF222801, AF061981, I32738, AF008439, AF118847, L10730, A76335</p> <p>AA252455, AI191596, AI216511, AI221932, AL044538, AL044537</p> |
| 1115 | HKCSA54 | 875611 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 872 of SEQ ID NO:1115, b is an integer of 15 to 886, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1115, and where b is greater than or equal to a + 14.</p> | <p>AA078787, AA664392, AA047305, AA078903, T82427, AA618308, AA047306, AC007688</p> |

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| 1116 | HWLQA55 | 875612 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 301 of SEQ ID NO:1116, b is an integer of 15 to 315, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1116, and where b is greater than or equal to a + 14.</p> | <p>AI767589, AI732392, AW083534, AW007152, AW004781, AA053033</p> |
| 1117 | HWBDT63 | 875613 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 735 of SEQ ID NO:1117, b is an integer of 15 to 749, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1117, and where b is greater than or equal to a + 14.</p> | <p>AI273587, Z36969, AA132614, AA602080, AA629773</p> |
| 1118 | H2CBQ54 | 875625 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 702 of SEQ ID NO:1118, b is an integer of 15 to 716, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1118, and where b is greater than or equal to a + 14.</p> | <p>AA313350</p> |

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| 1119 | HCQCX54 | 875628 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 348 of SEQ ID NO:1119, b is an integer of 15 to 362, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1119, and where b is greater than or equal to a + 14.</p> | |
| 1120 | HCQCG75 | 875629 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1234 of SEQ ID NO:1120, b is an integer of 15 to 1248, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1120, and where b is greater than or equal to a + 14.</p> | <p>AI131026, AA716622, AI057161, AA774194, AA156854, AA225603, AA716534, AA213506, AI742559, AI820099, AA643860, AA343612, AW294591, AA636011, AI440145, H21764, AA716363, AA362352, AA352145, R64559, AA076494, Z95114, Z82215, AF070675</p> |
| 1121 | HHEZN36 | 875630 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 709 of SEQ ID NO:1121, b is an integer of 15 to 723, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1121, and where b is greater than or equal to a + 14.</p> | <p>AA402496, AI435815, AA505991, AI359093, AW197200, AA234622, AA402558, AA258509, H17033, R14272</p> |

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| 1122 | HPCIS18 | 875631 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 768 of SEQ ID NO:1122, b is an integer of 15 to 782, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1122, and where b is greater than or equal to a + 14.</p> | AA313376, AW296351, I68732 |
| 1123 | HISAT54 | 875632 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 754 of SEQ ID NO:1123, b is an integer of 15 to 768, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1123, and where b is greater than or equal to a + 14.</p> | AI913155, AI672147, AI935812, AI742124, AI953577, AI378301, AI420915, N32927, AI985091, AI633160, AA724413, AA913627, AA025763, AI569838, AI867104, AA447105, AI267291, N42073, AI963746, AA707999, AI473202, AI379471, AI383622, AA025951, AI675725, AW149902, AI114877 |
| 1124 | HLWAC54 | 875633 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 260 of SEQ ID NO:1124, b is an integer of 15 to 274, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1124, and where b is greater than or equal to a + 14.</p> | AF130356, AB026118 |

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| 1125 | HKMAB82 | 875634 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1121 of SEQ ID NO:1125, b is an integer of 15 to 1135, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1125, and where b is greater than or equal to a + 14.</p> | <p>N28667, AI659988, AI082031, AI693456, AI880139, AA581592, H73764, H16504, AI871552, AI002235, AA350218, H05516, AI268133, R46302, AI417378, AA418492, AI278150, AA418394, R46207, AI281736, AI027423, R15667, AA355971, H74147, AW195643, AI478495, R62421, R62495, AW453056, AA507440, W21975, AA364092, AC006312, AF055899</p> |
| 1126 | HPVAB96 | 875635 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 432 of SEQ ID NO:1126, b is an integer of 15 to 446, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1126, and where b is greater than or equal to a + 14.</p> | <p>AA219147, AI884470, AA464382, AC006475, AL009051</p> |
| 1127 | HBMSX53 | 875636 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 559 of SEQ ID NO:1127, b is an integer of 15 to 573, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1127, and where b is greater than or equal to a + 14.</p> | <p>AA810265, AA897140, AI656737, AA768557, AA767085, AI969070, AA847937, AC005018</p> |

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| 1128 | HCFC58 | 875638 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2215 of SEQ ID NO:1128, b is an integer of 15 to 2229, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1128, and where b is greater than or equal to a + 14.</p> | AI373860, AI142548, AI160244, AI803364, AA732841, AI435516, AI095583, AI076620, AI167180, AI936640, AI339776, AA969232, AW137670, AI391504, W68702, AW207539, W79914, AA917467, AI459137, AI148710, AA287408, AI762559, AI040652, AW026057, AA522920, AA866005, AI016161, AA055361, AA625635, W23647, AA707093, AA913826, AI083994, AI015839, W69531, AI796628, AI890078, AI830098, AA937098, AA305157, AI581290, C01766, AI050874, AI199472, AI097584, H92773, AI074517, AI074538, AI151312, AW028614, AI674344, AA305656, AI990059, R62238, AI095293, AI052777, AA287357, AI085262, AI354825, AA282043, AI828501, AA989141, AI936558, AA917921, AW207658, AA581990, H66449, AI809556, H66448, AI087807, AA976485, AI089883, AI161211, AW102710, AI370809, AA282205, AA358542, AW054857, AA810757, F13499, AA876563, AA215693, AI084131, AI828164, W74293, F22539, AI870008, AI671095, AA476727, AA404240, AA831950, AA026585, AA370269, AI359885, AA631293, AW340672, AI121501, N31738, D19607, AA423998, W68795, AW301681, AA037423, AA744671, AI498589, AA705091, AI185927, AA425621, W24523, R83202, AW072175, AA886734, AI568422, AI128796, AI423010, W39033, N92339, N27093, AI906207, AI354764, AI829997, AI216318, AI292222, W24115, AI700186, AW166486, AI808019, AI417379, AI274365, AI192992, AA327411, AI801970, AI560400, AI334057, AW205138, AW135446, AI356227, AI418487, AI334250, AI301676, Z39418, AW206667, AA026695, AA449697, AA307877, W69448, AW136707, AI356196, AI858772, AI268621, AW054727, AW206873, AI077709, AW300595, AI394380, AI369492, AI300626, AI702163, AW137374, AI3666348, AW137612, AW104420, |
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| | | | <p>AI354931, AI349587, AW072219, AI300618, AA362894, AI356229, N92547, AW083322, AW138524, AA906922, R21738, AA448971, AA928281, AI824781, AW404514, F10607, H92884, AW104623, AA974162, AA055693, AA282321, AI191199, W78149, AA026665, AI243453, AA884305, AI471239, AA907645, R05573, AI702878, AI953829, AA972477, AA912803, N91937, AA370270, R83201, AA026584, AI610796, AI624790, AI367991, AW089151, AA367748, T12621, AI250112, AW072490, D80024, D58283, D51060, D80522, D59275, D80133, C14331, C14389, D59859, D80043, D81026, D80022, D80248, D80366, D51022, D51799, D59610, D80269, D80253, D51423, D57483, D50979, D80166, D80195, D50995, D59467, D59619, D80210, D80391, D80164, D80240, D59787, D80227, D59502, D81030, D80212, D80196, D80188, AW377671, D80219, C14014, AA305409, D80251, AJ132110, A62300, AB028859, AF058696, A62298, AR018138, A84916, AR008278, A82595, AB002449, X67155, AR060385, Y17188, D26022, Y12724, A25909, A94995, A67220, D89785, A78862, D34614, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, A45456, A26615, AR052274, X82626, AR054175, Y09669, A43192, A43190, AR038669, AR066487, I14842, A30438, AR025207, Y17187, A63261, D50010, AR008277, AR008281, AR062872, A70867, AR066490, I79511, AR016691, AR016690, U46128, X68127, AR008408, I18367, X64588, I82448, AB012117, D13509, A64136, A68321, AR060133, AF123263, Z82022, A85396, D88507, AR066482, A44171, AR032065, A63887, AR060382</p> <p>W91924, AW197110, AI741307, AI378575, AA713480, AI690421, AI699132, N68496, AI567731, AI928419, W91925, AI932938, AA026893, R92744, AI935511, AI242962, AI952546, AW384749, AA036709,</p> |
| 1129 | HPMK129 | 875639 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> |

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| 1130 | HMWFZ60 | 875640 | <p>the general formula of a-b, where a is any integer between 1 to 935 of SEQ ID NO:1129, b is an integer of 15 to 949, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1129, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1404 of SEQ ID NO:1130, b is an integer of 15 to 1418, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1130, and where b is greater than or equal to a + 14.</p> | <p>AI659575, AW384762, AF176699, AL022395, AF174590, AF199355</p> <p>AL135393, AI743624, AW007692, AI809103, AI693085, AW188260, AI628632, AA151384, AW170431, AI688464, AI884841, AA044177, AI435463, AI760308, AA641945, AI911252, AI808563, AA433872, AI597697, AA532734, W57862, AI187076, AI493091, AI624308, AA909039, AA856988, AA912119, AA099566, AA314491, AA603118, W60385, AI817675, AI804736, AI141817, AA635102, AA012931, AA831200, AA872405, AA099656, AW374351, AA317881, AW270235, AI128006, AA044362, AA971272, N53760, N73118, AI092800, AI125656, AA307420, AA299867, AI092789, AI087152, AI698768, AI075446, AI827489, AA909444, AI310357, W60294, AA557616, AI401792, H71979, AI201315, R91255, R53622, W57788, AA905502, AI080642, AI953627, AA040065, N49849, R51953, AI039773, R44774, AI354614, AI695145, W52685, AA641347, AA230242, AA311605, AA485131, N33951, AA001274, AA001885, AA130833, R91256, D31320, AA676280, AA947975, AA299866, AA888090, AA055655, AI028370, AA485132, AA076953, N71776, H67264, AW087608, R25747, R85994, N49662, AA382910, R40695, AI433728, AA402168, R13260, AA402822, AA502327, AA515875, AW004807, AA627525, AI826454, AA319306, AA082526, AA151383, AA074596, AA494303, R19108, AW235427, R26592, AA702744, AA130948, AI419583, AI538143, AA230299, AI656420, AA588457, N67517,</p> |
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| 1131 | HUCPH16 | 875641 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1648 of SEQ ID NO:1131, b is an integer of 15 to 1662, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1131, and where b is greater than or equal to a + 14.</p> | <p>AI262101, AI538153, AA078050, AC005074, AF084479, AF072810, AB032253</p> <p>AI694079, AI469419, AA521321, AA621120, AI873548, AW162015, N24406, AI745250, AI816009, AI034067, AA861921, AA994985, R91349, AA732547, H99156, AA429548, R91302, AI809579, AA921820, AI471875, AA910181, AL042168, AA741400, AF071771, U09850, AF011758</p> |
| 1132 | HCUDA52 | 875642 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 373 of SEQ ID NO:1132, b is an integer of 15 to 387, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1132, and where b is greater than or equal to a + 14.</p> | <p>AA834872, F30466, F36527, F01431, AA564994, AW394057, AF001548, AC005340, AC005934</p> |
| 1133 | HTWCN56 | 875646 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 68 of SEQ ID NO:1133, b is an integer of 15 to 82, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AL042551</p> |

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| 1134 | HWLUF58 | 875650 | <p>NO:1133, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 792 of SEQ ID NO:1134, b is an integer of 15 to 806, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1134, and where b is greater than or equal to a + 14.</p> | <p>AI148558, AI991236, AI346818, AA528254, AA573948, AA582937, AA148254, AW009953, AA278825, AI262374, AA148255, AW337649, AW292443, AI879821, AA568456, AA769741, AA441911, AA928164, AI277160, AI368975, AA442018, H16108, AI024901, W17108, AI910530, AI675866, AA278827, T25032, AA282250, AB023416</p> |
| 1135 | HWLMI53 | 875651 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 625 of SEQ ID NO:1135, b is an integer of 15 to 639, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1135, and where b is greater than or equal to a + 14.</p> | <p>AI148558, AI991236, AI346818, AA528254, AA573948, AA582937, AA148254, AW009953, AA278825, AI262374, AA148255, AW337649, AW292443, AA769741, AI879821, AA568456, AA441911, AI277160, AI368975, AA928164, AI024901, AI910530, AI675866, W17108, T25032, AA442018, AA282250, H16108, AB023416</p> |
| 1136 | HWLMB54 | 875653 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1136, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AI656739, AW194261, AI191572, AI686332, AW241658, AI081504, AA287936, AW439964, AI147409, AI073550, AI627477, AA570523, AI149073, N23389, AW148760, AI952927, AI039002, AW170120, AI953877, AI478397, AI203256, AA057114, AI077376, AL043541, AI631759, AI302584, R46593, AA776807, AI471297, H08065, AI825574, AI000483, AI474396, AA993288, R60870, R49614, D63065, AI188876, AI471175, AI565375, R42276, AW130341, AI381205, AA025481, D60482.</p> |

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| 1137 | HOEEY53 | 875654 | <p>NO:1136, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 659 of SEQ ID NO:1137, b is an integer of 15 to 673, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1137, and where b is greater than or equal to a + 14.</p> | <p>AI381203, AW135516, AW139222, AI864636, AI783564, AI439711, AI969032, AA828409, AI914914, AI302951, D62081, R38686, AI351832, F10577, AA215377, R77944, R42277, AA170804, H24643, N71896, AA025591, H25840, H02001, N26541, R78406, C02270, AI298146, D79240, AA057854, AA288000</p> <p>AL119748, AL040243, AL041862, AL045500, AW087445, AW071349, AL042745, AI433976, AI433157, AI702406, AI275175, AL042628, AI564719, AI521012, AL079977, AL049085, AI580190, AI500659, AW301409, AI620284, AA640779, AI539771, AI500077, AI538716, AL047763, AL045266, AL040169, AL042627, AL121270, AL119049, AW082113, AI469532, AI537677, AI818683, AI340582, AL121328, AL040097, AI436456, AL119791, AL036146, AI815855, AW074993, AW238730, AL121365, AI064830, AI349772, AI349256, AL036396, AI863014, AW117882, AA572758, AI207510, AI499463, AW103371, AI349645, AL042744, AL036361, AL038605, AL036403, AW071417, AI866457, AI349004, AL036802, AL045620, AI536685, AI500523, AL039276, AI919345, AW169671, AI497733, AI269862, AI567351, AL046926, AI284517, AA613907, AW268253, AI537515, AL036274, AI349598, AL045163, AL121463, AI340603, AW089572, AI687728, AI281779, AI440239, AI281773, AW302988, AI312428, AI783504, AI868831, AI524671, AI866608, AI590120, AI619502, AI802542, AW169653, AW026882, AL048656, AI475371, AI498579, AL119828, AI312152, AI345735, AI432656, AL079963, AI499393, AI349933, AI349937, AI364788, AI491776, AI824557, AI934036, AW162071, AI612913, AI801325,</p> |
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| | AW148716, AI500706, AL048871, AI445237, AI348897, AW151138, AI440426, AI500662, AI687127, AI284509, AI499512, AI633493, AL135661, AL036980, AI857296, AI702433, AI521560, AW303152, AA508692, AI866573, AI434256, AI475817, AI815232, AI284513, AW148320, AI631107, AI800453, AI800433, AI888118, AI560012, AI285735, AI625079, AI635461, AI679724, AI920968, AL042551, F37439, AI690835, AI572787, AW075351, AW068845, AI648684, AW403717, AI687362, AW268220, AI610362, AI282655, AI872711, AW150578, AL047041, AI873731, AI499920, AI349614, AA427700, AA470491, AI432666, AI697137, AI929108, AL042787, AI636456, AI343112, AI608667, AW002342, AI475451, AI682841, AI224992, AI866780, AI799199, AI273142, AI282281, AI250293, AI269696, AI869367, AW104724, AI888661, AL042538, AI610307, AI340519, AL047042, AW074869, AI633419, AI866002, AW083804, AI922901, AI439087, AL120736, AI687415, AI610645, AW302965, AI590128, AW274192, AI491852, AI862144, AI285826, AI433037, AW161579, AI539153, AL043981, AW151485, AI554245, AI537244, AI274541, AI307708, AI446606, AA804740, AL120853, AI754897, AA225339, AL036631, AI445432, AL036759, AI254251, AI366549, AI309401, AI610429, AI889189, AW301300, F37471, AL120854, AI671679, AI568870, AI637584, AI758437, AI445025, AL038779, AW075413, AW020693, AI445165, AI580984, AI906328, AI554427, AI597918, AW082040, AL046849, AF090901, I48979, AF090903, AL050108, AF090934, U91329, AF113690, AF118064, I89947, AL117457, AF090943, AF113013, AL133640, AL137459, |
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| | AL1133016, AF078844, AF090900, AJ242859, AL117460, S78214, U42766, AL050393, AL049452, AL050116, AL133557, AL050146, I89931, A08916, AL110196, AL122050, Y11587, S68736, AF017152, AL080060, AL133080, AF113699, AF104032, Y16645, Y11254, AF113691, AL110221, AF113694, A08913, AL049938, AL050149, I48978, L31396, L31397, AR011880, AL049466, AL137527, AL133606, AF118070, AF125949, AF106862, A93016, I33392, AL133075, AL133113, AF113677, AF097996, AL137557, AF079765, AR059958, AL050277, AL133093, AL096744, AF090896, AF113019, AL122049, AL117583, AB019565, AL122093, AL117435, AF113689, A08910, I49625, AL049464, AL049382, AL049314, X84990, E07361, E07108, AL049300, AF113676, AL080137, AF111851, AL137550, AJ000937, AL117585, AL122121, AF158248, AL133560, AL080124, AL122123, A65341, X63574, E03348, X70685, A08909, AL117394, AF017437, AF177401, AL133565, U00763, AL049430, AF125948, AF146568, AF091084, AL137463, A03736, U72620, AL137283, AL122098, AJ238278, AL110225, AL122110, X82434, A58524, A58523, AF118094, AL137538, AL050138, X72889, I09360, AL050024, A77033, A77035, E02349, AL137648, X65873, X96540, I03321, Z82022, AF183393, AL2297, AL137271, AL080127, U80742, X93495, U35846, AL133072, AL137521, AF087943, AL049283, U67958, AL080159, X98834, A08912, AL110197, AL133077, AF061943, E08263, E08264, E15569, I42402, S61953, AF067728, AL133014, AJ012755, AL133568, I26207, AL137560, U78525, A93350, AF119337, AF111112, AR000496, U39656, AF081197, AR038969, AC006371, AL050172, AR054984, AF026816, AL137556, AL137523, I17767, AF026124, Y14314, AL137526, AF153205, AF008439, AL133104, |
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| 1138 | HUCQC25 | 875658 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1138, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1138, and where b is greater than or equal to a + 14.</p> | <p>AL133098, U96683, AL137488, AF003737, AF185576, AL110280, AL133067, E05822, Z72491, AF079763, Y09972, AF081195, AF106827, A07647, M30514, AL122111, Z37987, E02221, AF057300, AF057299, AR013797, AF162270, U68233, I92592, A90832, E08631, A45787, AL117440, AL137476, AF000145, U68387, AR038854, U58996, I00734, X87582, L30117, E00617, E00717, E00778, Y07905, AC004200, AL080074, X83508, E04233, AJ006417, AF111849, U49908, AC007458, AL137533, AL133081, X92070, AF118090, AL117432, AL080158, AL137480, Y10655, AF095901, L19437, AF132676, AF061836, AF210052, AC002464, AL050092, AL137273, A08911, AA994842, AW081730, AA001654, AI420895, AL137442</p> |
| 1139 | HCRMS71 | 875661 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 775 of SEQ ID NO:1139, b is an integer of 15 to 789, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1139, and where b is greater</p> | <p>AI693010, AA715045, AI885216, AI207366, AI357907, AI784056, AA621429, AW293970, AW204373, R43334, AA523584, AA781484, N94933, AB007870, AF000899, AL035697</p> |

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| 1140 | HWLMS13 | 875662 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 816 of SEQ ID NO:1140, b is an integer of 15 to 830, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1140, and where b is greater than or equal to $a + 14$.</p> | <p>W32981, N46181, N46187, AA173644, AA352233, AA384809, R31168, W93675, U68494</p> |
| 1141 | HE6GF82 | 875663 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1096 of SEQ ID NO:1141, b is an integer of 15 to 1110, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1141, and where b is greater than or equal to $a + 14$.</p> | <p>AW003091, AA033907, AW292095, AW003066, AA994829, AA477259, AI203380, AW051389, AA481953, AW297105, AI168181, AI311568, AA402560, AI983314, AA402729, T32956, T15739, AI283188, AI206971, AI216276, AI285095, AA722476, R16257, F10673, AI888416, AA477907, AI424752, AW002217, AA082650, N83203, AA034007, AA701213, T47308, AI669678, F04444, AI868114, T47307, F01597, F01744, Z19661, AA041439, AW169604, AA455772, AW105601, AI587143, AI589267, AI340519, AI554821, AI682725, AI612885, AI784252, AI590423, AI288285, AI889168, AI345005, AI340511, AI799195, AI862144, AW059713, AI866465, AI310575, AI623746, AI887247, AI950664, AI340533, AI866770, AI273094, AA420722, N72726, AI890806, AL036664, AW075207, AI955906, AI343091, AI624056, AL036980, AI312428, AW268072, AI345735, AI811785, AI826225, AI431424, AL036631, AI307210, AW089471, AI500659, AI440263, AI313320, AW054931, AI340627, AW193134, AI379711, AI310504, AI312146, AI312339, AI345258, AI628296, AI349645,</p> |

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| | AI470293, AW071349, AI916419, AW196299, AI311604, AI811353, AW151138, AI624953, AI890907, AI868204, AA012905, AL038605, AI634224, AW090726, AI306705, AI349957, AI817237, AI283941, AI798373, AI478639, AW022682, AI280747, AI862142, AI247193, AI538850, AI680113, AW071380, AI934036, AI963668, AI349028, AW191916, AI567971, AW170700, AL121496, AW193000, AI312152, AI345347, AI758437, AW075084, AI309443, AW196037, AW163834, AW118508, AI159837, AI348914, AI567612, AI349937, AW020693, AI354283, AL048644, AI689702, AI307543, AI334884, AI348897, AW151786, AI349598, AI307708, AI312325, AI270707, AI340659, AA761557, AW269097, AI310940, AW151136, AI445115, AI963224, AI313352, AI539771, AW072588, AI334930, AI307736, AW080279, AI471282, AI307520, AI917123, AI340603, AI889147, AI433384, AI499986, AI349186, AI537677, AW089572, AI445237, AI494201, AW083804, AI608667, AW191844, N71180, AA508692, AI345739, AW088037, AI312143, AI690748, AI440426, AI612750, AL119836, AI654601, AW059828, AI434256, AW131428, AI336495, N75771, AW301300, AI815232, AI801325, AA493647, AI500523, AI310582, AI915291, AI274541, AI623682, AI349955, AI582932, AI284517, AI923989, AW075093, AI564736, AI500706, AI491776, AW268067, AI521560, AI889189, AI500662, AI284509, AW172723, AA641818, AI433037, AI349246, AI623796, AW081449, AI866573, AA579232, AI343037, AI633493, AW161579, AA635382, AI349256, AI270055, AI567582, AI805769, W33163, AI251221, AI888661, AL036705, AW268253, AL046463, AW191003, |
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AI284513, AI362637, AI573026, AI888118,
AL039086, AC006276, A74801, AL049314, A08916,
AC004943, A08910, A08909, AF090943, I89947,
AL049423, AF039138, AF039137, AF097996, E02349,
AL049452, AF124728, U42766, I48978, A08908,
AL133098, A08913, AL050146, I89931, Y11254,
AR038854, I49625, AL122049, A07647, U80742,
AJ012755, Y10080, AF079763, AL122110, AF091084,
AL122050, AF118090, AJ242859, AL050108, X96540,
AF026816, AL049464, AL110280, AF017437,
AL117460, I66342, AL137463, AL137271, AL117394,
AF111851, AR068753, M30514, X72889, A58524,
A58523, AF119337, X70685, I03321, AF090900,
U68387, A08912, AL110225, U91329, AF057300,
AF057299, A93016, U00763, AF113694, AF118094,
AL110196, AF106827, U58996, AF153205, A93350,
AF061943, AR020905, AF113677, AJ000937, Y10936,
AL133081, AL137459, AF111849, AL133557, E07108,
AL050149, AL117435, U35846, A65340, AL049430,
Y09972, L31396, A90832, L31397, AL080124,
L13297, A65341, AL049466, AL117649, AL110221,
AF113676, Y08616, AL050138, X83508, I00734,
AF003737, AL137556, AL137526, AL049938,
AL133080, I33392, AL133640, AL117583, AL117585,
AF017152, X59414, E00617, E00717, E00778,
AL133077, X86693, U78525, AL133113, AL133072,
AL137480, AL122123, S78214, E07361, A18777,
AR013797, AF113019, AL137283, AF175903,
AL049283, AF069506, Z82022, AJ238278, Z37987,
AL117457, AF177401, AL122093, AL137550, X93495,
AL133606, AL137521, X98834, AF081195, AF113013,
AL035458, AF078844, AF113690, AF126247, E05822,
AL137560, Z72491, AF000301, AL137529, E08631,
AF125948, AL049347, AF146568, A12297, AF061573,
AR011880, I09360, AF067728, Y11587, I26207,
AL122118, AF113691, AB019565, AL133104,

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| 1142 | HSPBC14 | 875665 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 392 of SEQ ID NO:1142, b is an integer of 15 to 406, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1142, and where b is greater than or equal to a + 14.</p> | <p>AL133067, AL050277, AL049300, AF118064, AL137557, AF118070, AF113699, AL137648, AL080158, AF125949, AL133568, AF090896, Y07905, X63574, I08319, AC009501, U72620, I89934, X82434, L10353, E04233, A77033, A77035, AL080159, AF087943, AR000496, U39656, I48979, AF183393, AF026124, AF090903, Y14314, AL133016, AL096744, AJ003118, AF158248, AL133014, AL133665, AL137476, AL133560, S61953, AL080086, AL137538, M86826, X84990, AL133075, AL050116, I09499, AL117440, AF185576, AL050092, AF079765, A03736, AJ006417, AL137292, AF106862, AC002467, I41145, AF162270, A08907, AF100931, AL137478, X62580, AF051325, AR038969, AF047443, AF061795, AF151685, A45787, AL137656, AF081571, T66716</p> <p>AW439287</p> |
| 1143 | HOCNE41 | 875669 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1143, b is an integer of 15 to 421, where both a and b correspond to the positions of</p> | <p>AW206400</p> |

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| 1144 | HCQBE51 | 875672 | nucleotide residues shown in SEQ ID NO:1143, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 252 of SEQ ID NO:1144, b is an integer of 15 to 266, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1144, and where b is greater than or equal to a + 14. | AL134350 |
| 1145 | HWLWX4 0 | 875673 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1145, b is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1145, and where b is greater than or equal to a + 14. | AW248502, AA868598 |
| 1146 | HCRMB51 | 875677 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 421 of SEQ ID NO:1146, b is an integer of 15 to 435, where both a and b correspond to the positions of | AA251591 |

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| 1147 | HGBBH61 | 875678 | <p>nucleotide residues shown in SEQ ID NO:1146, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of SEQ ID NO:1147, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1147, and where b is greater than or equal to a + 14.</p> | <p>AA664156, AA767729, AA402095, AI700767, AA401940, AI935241, AW269601, AA345071, AW363622, AW074281, AI888088, AA054585, AW371974, AW362940</p> |
| 1148 | HCRNZ51 | 875680 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 382 of SEQ ID NO:1148, b is an integer of 15 to 396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1148, and where b is greater than or equal to a + 14.</p> | <p>W24854, AA279745, H29979, AI370512, AI149061, AA401945, AW270474, AC002094, AL021393, AL133163, AC004601, AC006449, AC005684, AL139054, AL109798, AL121655, AL031591, AB023051, AC005249, AL033527, AL035587, AC004966, AC004491, AC002538, AP000512, Z83826, U95739, AC004675, AL031597, Z95152, AF088219, AC010582, AC007057, AL049872, AC000026, AL021939, AC007738, AC002059, AC006538, AC005792, AC009263, AL020995, AC002350, AC006166, AL008732, AL121587, AL079333, AC003071, AC006540, AP000694, AL031005, AC012384, AC002565, AC004263, AC005197, AP000697, Z83822, AL049776, AC006571, AL031056, AC007637, AC004106, AL021578, AC003101, Z84466, AC005952, Z93242, AC006160, AL024508, AP000152, AC007676, AC002365, AL049745, AC005207, AP000008, AC004895, AC005844, AC002119, Z95113, AC004253, AC004685, AF196972, AP000704, AF030453, AC005886, X94768, AL022336, AL049759, AL009181, AC005520, AC005088</p> |

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| 1149 | H2CAA51 | 875681 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 526 of SEQ ID NO:1149, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1149, and where b is greater than or equal to a + 14.</p> | AA306969 | <p>AI088910, AW043896, AA005100, AA262517, AI470354, W78980, R89654, AA261819, AI079770, AA037517, AA328236, AI584124, H19672, AI247711, AI217267, AL121782, AB034617, AL121754</p> |
| 1150 | HT3AI55 | 875682 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1467 of SEQ ID NO:1150, b is an integer of 15 to 1481, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1150, and where b is greater than or equal to a + 14.</p> | | <p>AI458851, AA142939, AA936413, AI741509, AI335942, AI002201, AA150633, AA446254, AW003610, AI091446, N62521, AI800649, AI880031, AA029154, AA776155, N31764, AA029051, N24835, AI610362, AI582932, AW075413, AI889189, AI433976, AA429993, AL045500, AI433157, AL042753, AI539771, AI923989, AI537677, AI500659, AI801325, AI500523, AI284517, AI500706, AI491776, AI445237, AW151138, AI521560, AI500662, AI284509, AI866573, AI633493, AI434256, AI888661, AI284513, AI888118, AI611738, AI251205, AI275175,</p> |
| 1151 | HLWBA37 | 875683 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1078 of SEQ ID NO:1151, b is an integer of 15 to 1092, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1151, and where b is greater than or equal to a + 14.</p> | | <p>AI458851, AA142939, AA936413, AI741509, AI335942, AI002201, AA150633, AA446254, AW003610, AI091446, N62521, AI800649, AI880031, AA029154, AA776155, N31764, AA029051, N24835, AI610362, AI582932, AW075413, AI889189, AI433976, AA429993, AL045500, AI433157, AL042753, AI539771, AI923989, AI537677, AI500659, AI801325, AI500523, AI284517, AI500706, AI491776, AI445237, AW151138, AI521560, AI500662, AI284509, AI866573, AI633493, AI434256, AI888661, AI284513, AI888118, AI611738, AI251205, AI275175,</p> |

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| | AI434223, AI554821, AL042551, AI866510, AL036146, AI889168, AI620284, AI815232, AI340603, AI567360, AL046926, AL042787, AI440252, AI499463, AI890784, AW075351, AI800433, AW151136, AL079963, AI678357, AA938383, AW082113, AI270183, AI440239, AL041772, AL045266, AI269862, AI800453, AI537273, AL047763, AL040243, AI436456, AL042628, AI932794, AI963846, AI567940, AI345608, AW301410, AI817244, AI537515, AI612913, AI567993, AI285826, AI863014, AI475371, AI499512, AI889133, AI282281, AL043293, AI334884, AI610645, AI610402, AI917252, AI610429, AI349598, AI889148, AW074993, AI349614, AI364788, AI521594, AL042538, AI632408, AI572787, AA508692, AI312152, AI567935, AI869367, AI630928, AW129106, AL119863, AI432656, AI349937, AI348897, AI307708, AI796743, AI815855, AI538085, AI457369, AW148320, AI539028, AW073994, AI889953, AI281782, AI500077, AW238730, AI590830, AI802542, AW083804, AL042627, AA572758, AI499285, AW274192, AI950892, AL045620, F27788, N80094, AW071417, AI308032, AI345745, AI348854, AI344785, AI805769, AL036396, AI340582, AI866608, AI539847, AI432666, AI434468, AI890833, AI344817, AI926790, AI539632, AI564719, AI612885, AI591420, AI889376, AA420758, AI648663, AL038605, AI524671, AW051258, AW074869, AI873731, AI619502, AI677796, AW268253, AI922901, AI288305, AW118518, AL121496, AI866457, AI913452, AI570807, AW026882, AW050522, AI923370, AI345735, AI281772, AL121286, AI371251, AI345416, AI921248, AI345612, AW188539, AW301300, |
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AI702073, AL079740, AI804983, AW269097,
AI933589, AL042745, AW169653, AI648684,
AW268220, AI334450, AI345415, AW117746,
AI274508, AI476046, AI633125, AI345471,
AW302988, AI886753, AI698391, AI312428,
AI783504, AI572418, AI686906, AI654276,
AI349645, AL119049, AI682743, AI866770,
AI758437, AI433037, AI873644, AI627988,
AI309401, AI343112, AI889147, AW148294,
AW089572, AI498579, AI064787, AI349256,
AL039276, AI805762, AL041862, AL039086,
AL048496, AW059837, AI955917, AI620003,
AI446538, AI499986, AI633419, AI554245,
AI306613, AI349957, AI284131, AB032963, U72620,
I48979, I48978, AF113689, I89947, A08913,
X72889, AF090903, AL133565, A65341, I33392,
A08916, AL110221, AF090896, AR011880, AR059958,
X63574, A08910, L31396, A08909, Z82022, L31397,
AF113699, AL117583, I89931, A03736, I49625,
AL117457, AL117435, A77033, AF090934, AL050146,
E03348, AL050138, AF113690, A77035, AL133016,
AL022165, AL122110, S68736, AC006501, AF113677,
AL049452, AF106862, AL137538, AF158248, U42766,
AF090901, AL050393, AL133606, AJ012755, Y11587,
AL049382, AL137459, U80742, AL122093, AL137527,
AL080060, AF113019, X82434, AL133080, S78214,
AL137271, AF183393, X93495, U35846, E07361,
A58524, A58523, AL137550, AL133557, AF091084,
AL050149, AF087943, E02349, AL133560, AL050024,
AF118070, AL080159, AL049430, AL133640,
AF113013, AJ242859, AF177401, AC007877,
AF078844, AL122121, AL122049, AL049464,
AL122050, X70685, AL117460, AL122098, AF113676,
Y16645, AL137557, AL110196, AL050277, AL117585,
AF146568, AL133113, AL122123, AF113694,
AF017437, AF118064, AF097996, AL049938, U00763,

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| 1152 | HE2LP33 | 875687 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 520 of SEQ ID NO:1152, b is an integer of 15 to 534, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1152, and where b is greater than or equal to a + 14.</p> | <p>AF104032, AL080124, AL133072, AL049466, A08912, I03321, AF118094, AF090943, AF111851, AJ238278, AF125948, X65873, AF079765, AF067728, AJ000937, AF113691, AL133075, AL050116, AL050108, AL137463, AL080137, AB019565, AL049314, E07108, AF090900, AF125949, AF026816, AF003737, S79832, X84990, AF026124, AF061943, AL133093, AL049283, Y11254, A12297, A93016, U67958, AL137648, AF017152, AL080127, AL110225, AL117394, AF022363, AF162270, I42402, L30117, AL049300, AL137560, AL096744, AL137521, X96540, AC004383, I26207, AC007179, S61953, AF008439, I09360, E15569, U91329, AC004686, A93350, AF119337, AF110520, AC002464, AL110197, Z98036, AC004883, U96683, AL133077, AR038969, AL137283, AC006336, X98834, AC007748, AR000496, U39656, AL022147, AL050172, AF111112, AL137526, AL133568, E08263, E08264, U95739, AC006017, AF185576, AL137533, E04233, AF153205, AL133104, AF057300, AF057299, Y14314, AL110280, AL022723, AL117440, AL133014, AC004837, AR034830, I96214, AF106827, AC008394, E05822, AL133665, AF079763</p> |
| 1153 | HCRMN10 | 875688 | <p>Preferably excluded from the present invention are one or more</p> | <p>AB021638, AB023431, AC005954</p> |

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| 1154 | HKMMR6 I | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 387 of SEQ ID NO:1153, b is an integer of 15 to 401, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1153, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1093 of SEQ ID NO:1154, b is an integer of 15 to 1107, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1154, and where b is greater than or equal to a + 14.</p> | W72774, AI961188, AA985560, AI269056, AA076186, AA541279, N46999, N51479, T67962, N53622, AL080011, AI952780, AI634350, AW055252, AI887163, AA969375, AA218835, N27874, AI540179, AW050850, AI818353, AI927233, AA528641, AA857847, R81679, AI440399, AI491775, AA594699, AA514684, AA721581, AA814782, AI635634, AA834534, AW163834, AI184903, AW149925, AI6233941, AI524179, AI784214, AI539153, AA504514, AW132065, AI611743, AA878955, AI583578, AI824688, AI912434, AI683897, AA015749, AA196287, AL042191, AL049872, U62317, AC002471, AC005374, AC004383, AC006013, AC004878, AL022721, AL035458, AC004837, AC005291, AC004797, AC004934, AC006561, AL035587, AC005829, AC003041, AC002558, Z99495, AC005091, AC005156, AL035687, Z82206, AP000255, AC004941, AL034400, AL022165, AF031078, AF109907, AL110280, AP000213, AF030876, AC006017, AC004987, AP000135, AC005815, AC007458, AC006115, AC006222, AP000247, AL078463, AP000344, AC006344, AP000031, AC005488, AL031346, AL050322, AP000697, AL031281, AC005876, AL137270, U95739, AP000130, AP000208, AF207550, AC002464, AL096776, AC002472, AL022400, AC007172, AL133245, |
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| 1155 | HUFDC50 | 875690 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 605 of SEQ ID NO:1155, b is an integer of 15 to 619, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1155, and where b is greater than or equal to a + 14.</p> | <p>AL031732, AL137716, AC004253, AL031984, AC002540, AC007193, AL020997, AF042090, AC006112, U52112, AP000152, AC002430, AF184110, AC002551, AF111168, AC006501, AF130343, AL096791, Z83840, AC005011, AC007384, AL050318</p> <p>AA489935</p> |
| 1156 | HKLAB51 | 875697 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 517 of SEQ ID NO:1156, b is an integer of 15 to 531, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1156, and where b is greater than or equal to a + 14.</p> | <p>AA542845, AA782986, AW173084, AA971073, AW183046</p> |
| 1157 | HCGBB63 | 875698 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 812 of SEQ ID NO:1157, b is an integer of</p> | <p>AI568430, AI246554, AW027069, AA877169, AW149590, AI183422, AA716169, AI090869, AW005361, AA557127, AA993093, AW161538, AI214928, AI379010, AA506979, AI687187, AA433903, AA642688, AI335958, AI333689, W57684, AI040452, AI275620, AA890300, AI190701, AI290057, AI348102, AA926808, AI031596, N90906,</p> |

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| 1158 | HRGDD40 | 875699 | <p>15 to 826, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1157, and where b is greater than or equal to a + 14.</p> | <p>AA872078, AI299396, W94366, N41036, AI282284, AI185236, AA453236, AI355169, W94475, AA948179, AW025303, AI146903, AI826491, AA827294, AI193123, AA451693, AI168575, AI268775, AI832661, AA885921, AI318374, W78211, AI797521, AW161473, AI878908, AA676574, W16482, AI140474, W19391, AA453076, AA807423, AW376438, W46807, F27907, H70310, AA746789, H22415, AA873324, AA427994, H18364, W16663, AA826881, H18333, C03502, F35271, F34797, AA375365, F32270, W46925, F35644, AA650485, AA758625, N89448, AA889188, AA494406, AA310092, H70822, AA906816, AA338496, AI335184, AA365661, AI906375, AA341769, AI459562, AA507722, C04086, AA327882, AA625863, F36483, AI906786, AA434582, H44893, W70314, H70823, AA583003, W31888, C01703, AI249827, F28846, H40883, AF044953, X59697</p> |
| 1158 | HRGDD40 | 875699 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 600 of SEQ ID NO:1158, b is an integer of 15 to 614, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1158, and where b is greater than or equal to a + 14.</p> | AA827755 |
| 1159 | H2LAD49 | 875700 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 580 of SEQ ID NO:1159, b is an integer of</p> | <p>AI674404, AI091450, AA313891, N64362, AA593226, AW135198, D51423, D58283, D80253, D80188, D59859, D59610, D59502, D80227, D57483, D59275, D80022, C14331, D80166, D80366, D80195, D50979, D59619, D81030, D80210, D51799, D80391, D80164, D80240, D59889, D80043, D59787, D80269, D80212, D80196, D80378, D80038, D80219, D59467, D59927,</p> |

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| | | <p>15 to 594, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1159, and where b is greater than or equal to a + 14.</p> | <p>C14389, D80193, D50995, C15076, D80024, D80241, AA305409, C14429, T03269, D80045, AW178893, D51060, C75259, C14014, AW178775, D51022, D80134, AW352158, D51250, AW179328, D81026, AW177440, AW378532, D80168, AA305578, D51079, D59695, D80251, D58253, F13647, D80522, D80248, C14227, AW178762, AA514188, AW177501, C14298, AW177511, D80133, D81111, Z21582, C14407, AA514186, AW360811, AW378540, AW377671, C05695, AW375405, AW179012, D80268, AW179024, AW178971, D80132, AW366296, AW179020, AW360817, AW375406, AW177456, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, AW179007, AW178754, AW177714, D59373, AW377676, AA285331, AW360834, D51097, D80302, D80014, AW179004, D80439, AW178906, AW352170, AW177731, AW178907, AW179019, AW179018, D80247, AI557751, AW378528, AW178908, D51103, AW352174, T11417, AW178983, AW178914, AW378543, AW378525, D59627, D80157, T03116, AI557774, D51759, AW178774, AW178781, AW352163, T48593, C06015, D50981, D80258, D51231, AW178755, D59653, T02974, H67854, AW178986, D45260, D51213, AW378533, AW367950, AA809122, D45273, T03048, C03092, AI525923, H67866, C14957, D59503, D59317, H67858, C14344, C14973, AI525917, D58246, AW179013, D80064, C16955, D51221, D59474, D59551, AI525920, AI525237, D60010, AA514184, D58101, AI535686, AI525235, Z30160, AI525227, AI535961, C14046, Z33452, AI525222, AI525242, A84916, A62300, A62298, AJ132110, AR018138, Y17188, X67155, D26022, A25909, A67220, D89785, A78862, D34614, I82448, D88547, AR008278, AF058696, X82626, AB028859, AR025207, Y12724, AB012117, A82595, X68127, AB002449, A94995, A85396, AR066482, AR060385, A44171, A85477, AR008443, I19525,</p> |
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| 1160 | HMSGN49 | 875703 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 345 of SEQ ID NO:1160, b is an integer of 15 to 359, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1160, and where b is greater than or equal to a + 14.</p> | <p>A86792, U87250, X93549, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR054175, Y09669, A43192, A43190, AR038669, AR066487, A30438, I18367, D88507, I14842, D50010, Y17187, AF135125, AR008277, AR008281, X64588, A63261, AR008408, I79511, AR062872, A70867, AR016691, AR016690, U46128, D13509, AB033111, A64136, A68321, AR060133, AR064240</p> <p>AW294985, AI656659, AI950220, AI624744, AW003841, AW081373, AI652917, AA332683</p> |
| 1161 | HWLMC49 | 875704 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 619 of SEQ ID NO:1161, b is an integer of 15 to 633, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1161, and where b is greater than or equal to a + 14.</p> | <p>AA827244, T79702, T82086</p> |
| 1162 | HAVME52 | 875705 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a</p> | <p>AF109298, AW131127, AI092766, AA149579, N52554, N59831, AA151796, AA687571, AI474235, AA658141, AA296298, AA177004, W31561, AA523588, AI525303,</p> |

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| 1163 | HCQDP49 | 875708 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1408 of SEQ ID NO:1162, b is an integer of 15 to 1422, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1162, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1163, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1163, and where b is greater than or equal to a + 14.</p> | <p>N59830, AA662843, AA151807, W32120, W32085, W31628, AA523333, AC002064</p> |
| 1164 | HCR0W44 | 875717 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 563 of SEQ ID NO:1164, b is an integer of 15 to 577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1164, and where b is greater than or equal to a + 14.</p> | <p>H29023</p> <p>T68115, AF090125, AF074264, AC007537, AF074265</p> |
| 1165 | HDPHF03 | 875719 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a</p> | <p>AW237145, AI964041, AI652991, AW388333, AW388283, AW388339, AW388453, AW378440, AW388413, AW388414, AI634155, AW388480,</p> |

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| | | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 651 of SEQ ID NO:1165, b is an integer of 15 to 665, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1165, and where b is greater than or equal to a + 14.</p> | <p>AW388438, AI624430, AI677965, AI492186, AW388607, AW388633, AW388711, AI694383, AI963871, AI015391, N26502, AW388591, AW388449, AW388687, AW388511, N59336, AI352317, AW197113, AW366319, AI476054, AA526522, AW388455, AW388543, N67998, AW388336, AW388273, AW388642, AW388570, AW388358, AI206626, AW352126, H06135, R38073, AA639698, AA227926, AI001745, AW388561, AI267688, AW378421, AW378465, T32854, AW388265, AI619649, R44314, AW388270, AI423703, F10774, AW388586, R37116, T16595, C00538, R40211, H05894, AW388632, AW388615, AA227760, AW352118, AW023625, AW080157, AA693354, AW161156, AW020693, AI590043, AI623941, AI923446, AL079963, AI421662, AI567971, AI469754, AW089844, AA720970, AI696583, AI923989, AI818353, AW129264, AI559752, AL038986, AI500061, AI635082, AW163464, AI401697, AW059828, AW161098, AW020480, AI491842, AI538850, AL042944, AI619820, AI434731, AI114703, AI633125, AI698391, AI802695, AL120700, AI686808, AL040161, AI744204, N25033, AI673278, AI370623, AW168406, AL120526, AL040844, AA641818, AL036954, AA832154, AI610714, AW160916, AI818574, N29277, AW188525, AI538829, AI612747, AL043152, AW151974, AI890907, AI799228, AI817373, AL120588, AL045413, AI539690, AI627988, AI628325, AA907131, AW024921, AI567582, AI247082, AW023338, AI610690, AI884459, AL046942, AI866801, AL134999, AL121014, AI798456, R20540, AI446775, AL048323, AL120056, AL048340, AL047344, N33175, AA937574, AL119863, AI801793, AI440238, AI583578, AW051088, AI244343, AL045986, AI929108, AL135517, AL080011, AW160905, AI285514, AI887308, AI307604,</p> |
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AI374987, AI687568, AI580190, AL043196,
AI866131, AI590943, AI699823, AA128805, T95813,
AA814990, AI523973, AI815237, AA292158,
AI863241, AI285439, AI097137, AI638644,
AW169671, AI631076, AA928539, AI824688,
AI824576, AI866465, AI872104, AI969655,
AI686576, AW087445, AI952306, AI909641,
AL036638, AI766348, AL040169, AW151132,
AI628850, AI289483, AI457113, AI687944,
AI522052, AW021662, AW188390, AI538764,
AI682971, AI909697, AI536685, AI815232,
AI866090, AI824375, AW162118, AI635950, T66952,
AI874238, AW027898, AI687614, AA847198,
AI580697, AI631082, AL039274, AW021717,
AI421252, AI349012, AF090901, I48978, AL137533,
AC007458, AF183393, Y16645, AI2558, AF090934,
AF113694, AB016226, AF090900, U68387, AL133049,
AF079763, AL050149, AF111851, AF002672,
AF115392, M85164, AF114784, AJ005690, A65965,
AF126247, AF126488, A65943, AL050172, AF106657,
I48979, Y10655, X79812, AL117457, U62807,
AF124728, AL050143, Y13350, AL137539, X66871,
A77033, A77035, AL137554, AL096744, U72621,
AL049452, S61953, AL122050, AB025103, AF090886,
AL050116, AF125948, AL137488, AF113690, A65340,
M85165, AJ000937, A03736, M79462, AL117635,
AF113019, A65341, AL122104, AL133557, AL122093,
AL133619, AL050393, AL133665, S36676, AL137459,
AL110225, Y07905, X65873, AF008439, AL137550,
AL133623, AF111849, AF090903, I00734, U92992,
AF087943, Z37987, E00617, E00717, E00778,
D83032, I89947, AF078844, AL122110, A08456,
AF159615, I09499, AL133113, AF139986, AF182215,
AL133560, Y11254, A08913, X89102, A91160,
AJ010277, AL137254, A91162, AF192522, I28326,
AR066485, X70685, Z82022, I80062, AF017152,

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| | | | <p>AL122100, S83440, AF177401, AL035458, AL137463, A08910, E08516, AF077051, AL049283, AR060156, U42766, A58524, A58523, U75932, A08907, A18777, A31057, AF118094, AL133080, I33392, AL137530, E07108, AJ006039, U73682, E02221, AL080124, AL133559, I89931, AR020905, AL133637, AL080227, E03671, A76335, AF031147, AL050146, AL137660, U78525, AL133031, AL137267, X81464, I49625, A08909, AF082526, AF119336, AL049382, AF004713, I61429, AF026124, AF061795, AF151685, AF004162, AL110222, AL137480, AF131773, AL049430, AL137529, AL023657, X99971, A08912, AR034821, AL122121, AF057300, AF057299, AF104032, X72889, A08911, AF113013, AL050170, AF100931, AL137557, AL117587, AF132676, AF118090, AF061836, AL137658, AL133014, AF146568, S77771, AL137479, AF126372, AL117648, AL137627, AR013797, AL133084, AF162782, AL137471, Y09972, U75304, AL137294, S76508, A18788, AR038854, S78214, AL110159, Y08864, AF113699, AL137560, AF106827, AF118092, AF142672, AB007812, AF185614, U37359, AL133568, AL080129, AF019298, I34395, I18358, AF000167, AF097996, A08908, AF201468, AL133640, AR012379, X72624, AL080110, AL117460, M96857, E12580, U51123, AR068753, AL096728, AL117435, AL122123</p> |
| 1166 | HCRMO82 | 875722 | <p>AL122100, S83440, AF177401, AL035458, AL137463, A08910, E08516, AF077051, AL049283, AR060156, U42766, A58524, A58523, U75932, A08907, A18777, A31057, AF118094, AL133080, I33392, AL137530, E07108, AJ006039, U73682, E02221, AL080124, AL133559, I89931, AR020905, AL133637, AL080227, E03671, A76335, AF031147, AL050146, AL137660, U78525, AL133031, AL137267, X81464, I49625, A08909, AF082526, AF119336, AL049382, AF004713, I61429, AF026124, AF061795, AF151685, AF004162, AL110222, AL137480, AF131773, AL049430, AL137529, AL023657, X99971, A08912, AR034821, AL122121, AF057300, AF057299, AF104032, X72889, A08911, AF113013, AL050170, AF100931, AL137557, AL117587, AF132676, AF118090, AF061836, AL137658, AL133014, AF146568, S77771, AL137479, AF126372, AL117648, AL137627, AR013797, AL133084, AF162782, AL137471, Y09972, U75304, AL137294, S76508, A18788, AR038854, S78214, AL110159, Y08864, AF113699, AL137560, AF106827, AF118092, AF142672, AB007812, AF185614, U37359, AL133568, AL080129, AF019298, I34395, I18358, AF000167, AF097996, A08908, AF201468, AL133640, AR012379, X72624, AL080110, AL117460, M96857, E12580, U51123, AR068753, AL096728, AL117435, AL122123</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1063 of SEQ ID NO:1166, b is an integer of 15 to 1077, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> |

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| 1167 | HFCDP47 | 875724 | <p>NO:1166, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1163 of SEQ ID NO:1167, b is an integer of 15 to 1177, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1167, and where b is greater than or equal to a + 14.</p> | <p>AI817320, AI147544, AI669712, AA610839, AI955720, AI056448, AI056793, AA402968, AI982764, AA909968, AA643704, AI499360, AW169601, AA832501, AI284966, AW272685, AA665839, AA922928, AA653898, AA470857, AA911776, AI359243, AI423624, AI587214, R14201, AA316613, AA883307, R37484, AA531527, N74317, AI089835, AA915883, AI381713, H04547, AA702343, H04468, AA059276, D30942, W05225, AA401934</p> |
| 1168 | HFICJ16 | 875725 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 684 of SEQ ID NO:1168, b is an integer of 15 to 698, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1168, and where b is greater than or equal to a + 14.</p> | <p>AI394070, AI559997, AC007262</p> |
| 1169 | HWLLU74 | 875727 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1394 of SEQ ID NO:1169, b is an integer of 15 to 1408, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AI1131018, AA579604, AI719085, AI859045, AW131268, AI814819, AI888714, AA568348, AI342165, AI860466, AA534872, AI914155, AI125453, W72331, W74397, AI300474, AA593735, AI498120, AA879110, AA995383, AI914049, AW449767, R60206, AA587361, AA588397, AI016404, H08009, H11647, AI269377, H12175, H19419, AI358021, T35018, AA470365, R14664, AA588354, H27693, H19418, H27694, H73776, AI337500, AI125449, AW078532, AA369905, Z41279, R45641,</p> |

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| 1170 | HLMDL53 | 875728 | <p>NO:1169, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 810 of SEQ ID NO:1170, b is an integer of 15 to 824, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1170, and where b is greater than or equal to a + 14.</p> | <p>AA404338, AA935725, AI678765</p> <p>AA700315, AA485611</p> |
| 1171 | HODBC46 | 875729 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 581 of SEQ ID NO:1171, b is an integer of 15 to 595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1171, and where b is greater than or equal to a + 14.</p> | |
| 1172 | HCYBO46 | 875731 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 472 of SEQ ID NO:1172, b is an integer of 15 to 486, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AA305824, AA315640, AW390685, D59502, AA193420, D80043, D59275, D81030, D57483, D59859, D80391, D80024, D58283, D80253, D80196, D59787, D80166, D51423, D80195, D59619, D80210, D51799, D80240, D59927, D80227, D80022, D80212, D80188, D80219, D50995, D80269, D80038, C14389, D59889, C14331, D80366, D80193, D80164, D59610, D50979, C15076, D59467, D80378, C14429, AA305409, D80241, D80045, T03269, C14014, D51060, C75259, D51022, AW178893, D80134, D81026, F13647, AW179328,</p> |

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| <p>NO:1172, and where b is greater than or equal to a + 14.</p> | <p>D80268, D51250, AW178775, AW177440, AW378532, AA305578, D58253, C14227, D80949, AW369651, D80522, D80168, D52291, D51079, AW352158, D80251, D81111, Z21582, D80248, AW178762, AA514188, AI910186, AA514186, C14298, AI905856, AW177501, AW177511, D80064, D80133, AW360811, C14407, C05695, AW352117, AW176467, AW375405, AW378540, AW377671, AI557751, D80132, AA285331, AW177731, D51097, AW366296, AW360844, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, AW360834, D80302, AW352171, D80439, AW377676, AW178906, AW352170, AW178907, AW179019, AW179024, D59373, D80247, D51103, AW179220, AW177505, AW179020, AW360841, AW178909, AW177456, AW352174, AW179329, AW177733, AW178980, AW179018, D59503, AW378528, AW178908, AW178754, T11417, AW179004, AW177722, AW179012, D80014, AW178914, AW378525, AW367967, D80157, AW177728, T03116, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, D58246, AW178983, AW352120, AW178781, T48593, D58101, C06015, D80258, D59627, T02974, AW177723, D59653, AW177508, AW378539, C14975, D51213, D45260, AI535850, AI557774, AW378533, AW367950, H67854, AI525923, AW177497, C03092, H67866, AA809122, C14973, AW178986, AW177734, AI525235, AI525917, D45273, D59317, C14344, D51221, D59551, D50981, D59474, AI535686, AI525920, D60010, AA514184, C14957, D60214, AI525227, C14046, T03048, AI535961, AI525242, AI525912, AW378542, AI525925, AI525215, C16955, C05763, Z33452, AI525222, AF060219, A84916, A62300, A62298, AJ132110, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547, AF058696, X82626, AR008278, AB028859, I82448, AR025207, Y12724, AB012117, X68127,</p> |
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| 1173 | HCUEB32 | 875733 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1095 of SEQ ID NO:1173, b is an integer of 15 to 1109, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1173, and where b is greater than or equal to a + 14.</p> | <p>A82595, A85396, AR066482, A44171, A94995, A85477, I19525, A86792, U87250, AR060385, AB002449, X93549, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AF135125, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I18367, A30438, AR054175, D88507, I14842, X64588, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AB033111, I79511, D13509, A64136, A68321, AR064240, AR060133, U87247, AB023656, U79457, Z82022, AF123263, AR032065, AR060382, X93535, AR008382</p> |
| 1174 | HCRNQ45 | 875734 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 403 of SEQ ID NO:1174, b is an integer of 15 to 417, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1174, and where b is greater</p> | <p>AW168181, AW206649, AI922409, AW080620, AW130528, AI761499, AA653277, AI927432, AW081680, AI167194, AW081694, AL040959, AW206389, AI652360, AA493404, AI652675, AI337391, AI203409, AI339098</p> <p>W39008, AW444757, AW452817</p> |

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| 1175 | HWLOO86 | 875736 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 958 of SEQ ID NO:1175, b is an integer of 15 to 972, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1175, and where b is greater than or equal to $a + 14$.</p> | <p>AW007552, AA631188, AI591162, AI597940, AI913964, AI125099, AA514439, AI732368, AA130570, AA524037, AI732382, AI913985, T24883, T24441, Z82216, AL049543, AE000660, AC005145, AL034369, AL031176, AL022158, Z69906, AL049750, AC007486, AL035552, AC008109, AL022164, Z97181, AC004865, AC002412, AC004075</p> |
| 1176 | HSPME53 | 875737 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 429 of SEQ ID NO:1176, b is an integer of 15 to 443, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1176, and where b is greater than or equal to $a + 14$.</p> | |
| 1177 | H2CBE48 | 875738 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 577 of SEQ ID NO:1177, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1177, and where b is greater</p> | <p>AI807250, AI089251, AI378396, AI650375, AI087818, AA770446, AI493563, AA805923, H75516, AI493544, AI261989, AA307336, C14331, C14344, C14407, D50995, D59927, AA514188, C14389, D80168, C03092, F13647, D58101, D80022, T02868, D80247, C15076, D45273, D80269, D51799, D59503, D80227, D59502, Z33452, D80228, D80188, D59467, AA305720, D59610, D80378, D80241, T03048, AI535961, AI525922, AI525920, AI525238, AI525237, AI525907, AI525903, AI525969, AJ005273, X58472, A62298, AF058696</p> |

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| 1178 | HCQDJ47 | 875739 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 446 of SEQ ID NO:1178, b is an integer of 15 to 460, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1178, and where b is greater than or equal to $a + 14$.</p> | AW020917, AB007956 |
| 1179 | HDTKC01 | 875740 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1179, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1179, and where b is greater than or equal to $a + 14$.</p> | AA521474, AI089721, AW297296, AW181990, AI097236, AI299185, AA931786, AA836613, AA976871, AI279776, R82197, H38948, AI886396, AW078989, W59999, AW235744, H86820, AW265599, AA936252, AA069472, AA987461, AA886940, N42321, AI524654, AI624859, AI572717, AW243741, AI432644, AW104141, AI345688, AI613314, AI682106, AL047344, AI627714, AI686589, AI801152, AI242248, AW023846, AI874166, AI336634, AA641818, AI701097, AI950664, AI345415, AW366372, AI491852, AI620056, AI804515, AW020693, AI582912, AI284034, AL041562, AW263804, AI887569, AW022494, AI619587, AW020288, AA056265, AL036780, AI613038, AI624529, AI669459, AI281412, AW163464, AI586931, AI473536, AI434223, AW083825, AI478902, AI884318, AI567211, AA857847, AI922037, AI799674, H41759, AI3555613, AI687809, AW083572, AI923871, AW410430, AI537261, AI478282, AI627896, AI352290, AI679959, AI915291, AW152182, AI702527, AI472566, AI540674, AI436429, AL045163, AW020592, AI349957, AI348969, AI584130, |

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| | AI758924, AI345005, AW438793, AI471909, AI565172, AI249877, AW194014, AI804505, AW263823, AW073677, AI868204, AI633125, AI819545, AI345014, AI538564, AI799189, AI452560, AI655932, AI538716, AI699020, AI682640, AI690813, AW075382, AI309306, AW105431, AW411225, AI698391, AI633061, AI281772, AI520881, AI620643, AI355779, AW024594, AW118518, AI568886, AI638644, AI334893, AI688848, AI273856, AI491710, AI628214, AI434731, AI289791, AI473208, AI889189, AI690748, AI569975, AW081047, AI918554, AI306705, AI340627, AI554186, AI620003, AW073898, AI624157, AW148356, AI499570, AI499986, AI591310, AL045413, AL039274, AW022636, AI963068, AI955906, AI702301, AI471429, AL036923, AI866465, AL135024, AI538829, AI624084, R41605, AI889147, AI446124, AI623941, AA815283, AI500061, AI537677, AI439903, AW103628, AI254226, AI521560, AI521005, AI859644, AI699823, AI890907, AW020397, AI683173, AI670009, AI566003, F28295, AW170635, AI244647, AW088605, AW082532, AA019328, AI631264, AW089572, AW055252, AW090103, AW023871, AW192701, AA665612, AW117675, AI433600, AI440263, AI890838, AW079432, AI866573, AA042949, AI541048, AI784214, AL134712, AW152550, AW263569, AA572872, AI500523, AI538850, AW029317, AI859991, AI536836, AA827691, AI581033, AI925744, AI305157, AI473471, AI345612, AI241744, AI583578, AI349958, W45537, AI288285, AI254814, AA761557, AI345416, AA939199, AI310575, AI868180, AW024360, AW193467, AL039086, AI680504, AI648699, AI886181, AI285439, AA693331, AI433611, |
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AI254420, AW025279, AI678850, AI590043,
AW129264, AB023145, AB028449, AL122045, U49908,
AL080074, AL122100, X57084, AL122104, AF004162,
AL137711, AR038854, E02152, AF002672, I89947,
L13297, A18777, AF118094, I48978, I33391,
U42766, AL137558, U88966, E12806, AJ006039,
A08913, U80742, AL137488, AL049324, E03671,
AL117626, AL050149, A08912, AF141315, AF090901,
X65873, AL133049, S77771, AF119337, U92992,
I89931, U35846, AL117460, AL049466, AF032666,
S76508, A08910, A08911, I89934, I49625, A08909,
E02253, AF142672, M96857, X06146, AF185576,
A08907, A08908, I52013, I32738, AL080126,
A58524, A58523, Y18678, U58996, AF146568,
AF119358, AL137539, Z97214, AR020905, AF036941,
U72621, AF038440, A18788, AL050015, A86558,
AL050208, A77033, A77035, AL133640, AF139986,
AL137555, AF019298, AF000145, AL110280, X57961,
AF115410, AL137283, AF090943, AF115392,
AL137459, I17767, S82852, AL133113, AL049452,
AR068466, A15345, AF026816, S75997, S78453,
AL137478, X83544, AL137530, X80340, AL137271,
AL049314, AL137258, M85165, U86379, AF026008,
E12580, AF044323, AF061981, AL133619, AL137465,
AF055917, AL035587, A17115, A18079, AL080124,
AF067790, AL133637, AJ000937, AL133557,
AL110158, E12579, U57352, AL122118, AL117435,
E02221, A90832, AF008439, AL137479, I00734,
AF113694, S63521, AR068753, AL133558, A65341,
X70685, AF069506, X72624, AL050280, AF031147,
AF183393, AF159148, Y09972, X54971, I09499,
E00617, E00717, E00778, AF016271, AF030513,
X66975, AF102578, AF106862, AF057300, AF057299,
I89944, E12747, A21103, X63410, Y10823,
AF106657, AL050172, AL117416, AF151109,
AL080140, AF194030, E06743, AB016226, AF113019,

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| 1180 | HCQDI44 | 875746 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 335 of SEQ ID NO:1180, b is an integer of 15 to 349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1180, and where b is greater than or equal to a + 14.</p> | <p>A57389, AF113677, X66862, AL049339, Y16645, AL117587, AF087943, AL050277, AF107847, AL133081, AF141289, AF079763, AJ242859, AF047716, AL110221, AF090903, Y14314, AL050116, U51123, AF125948, L31396, AF158248, AL110224, AI2297, AL110222, AL137548, L31397, AJ005690, AF061943, AL137476, D83032, AL133665, AL137537, X81464, S83456, AL133067, D83989, AF017437, AF126247, X66871, AL049938, E04233, Y11254, AF038847, U02475, AL080159, AF200464, E15324, AF150103, AL137533, AF199027, U49434, X67813, AF137367, AJ012755, AL050366, AF113013, I29004, X66417, E01573, E02319, AF106945, AL137463, AL110171, X98066, Y10655, AF091084, AF090934, AF100931, S36676, AL049464, AL049382, X92070, AL137281, I26207</p> |
| | | R17097 | | |
| 1181 | HNFGP44 | 875747 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 365 of SEQ ID NO:1181, b is an integer of 15 to 379, where both a and b</p> | <p>AI133562, AA885881, AI783849, AA829608, AW058434, AL109610, AC005071, Z54246, Z69837, AC005516, AC007055, AC006057, AL078583, AF097732, AC005220, AC006964, AC004030, AC008545, AL049780, U91327, AC006023, AL020997, AL133371</p> |

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| 1182 | HWLQG44 | 875751 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1181, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 389 of SEQ ID NO:1182, b is an integer of 15 to 403, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1182, and where b is greater than or equal to a + 14.</p> | <p>AW130607, AA976866, R66412, AI289641, AI459945, AC004851</p> |
| 1183 | HHMMD4 ₄ | 875752 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 403 of SEQ ID NO:1183, b is an integer of 15 to 417, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1183, and where b is greater than or equal to a + 14.</p> | AA262855 |
| 1184 | HCQAC43 | 875753 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 629 of SEQ ID NO:1184, b is an integer of 15 to 643, where both a and b</p> | <p>AI880389, N20300, N63913, AW083576, N27569, N98285</p> |

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| 1185 | HWLUF33 | 875754 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1184, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 537 of SEQ ID NO:1185, b is an integer of 15 to 551, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1185, and where b is greater than or equal to a + 14.</p> | AA280724, AW369170, R26169, H02035 |
| 1186 | HCRPE66 | 875760 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1186, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1186, and where b is greater than or equal to a + 14.</p> | AA922154, AI921318, AA909502, W73883, AC005021, L48427 |
| 1187 | HCYBD73 | 875761 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1187, b is an integer of 15 to 566, where both a and b</p> | AA700080, AA305107, AI241587, AW295338, AI198105, T07192 |

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| 1188 | HWTCF43 | 875765 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1187, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 290 of SEQ ID NO:1188, b is an integer of 15 to 304, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1188, and where b is greater than or equal to a + 14.</p> | <p>W03161, AA372394, AA626628, AL134565, AA321501, AA598424, N46519, AI832184, AF003625, AC004065, AL022401, AC000980, AL022577, AC004066, AC004043, AL023878, AC007313, AC003091, AL031289, AF055066, Z80903, AL049778, AC005017, AC007533, Z73913, AC006257, AL132668, AL021329, AC001017, Z83820, AL031388, AC003976, AC002463, AL012085, AC004051, AL009047, AL022400, AL031673, Z94055, AC016831, AL133239, AL096803, Z83850, AC006197, AF126403, AC006466, AF002223, AC000114, AF036876, AC009891, AL031114, AC006195, AL121595, AL109847, AC006397, AL031116, AL080316, AL008629, AL034412, AL050401, U80459, U96409, AP000127, AP000205, AL009028, Z93929, AF003528, AL022727, AC004057, AF188025, AC006545, AC004010, AC006546, AL009174, AC006313, AP000245, AL031466, AF020801, AC002990, AC005539, AC005352, AP000141, AC008082, AL034351, AC002394, AC005703, AC006207, Z95126, AL133241, AC005939, Z95114, AP000088, AC005859, AL109662, AL022154, AL035695, AC000110, AC007004, AL030996, AL031074, AC002071, AC005337, D87675, AC004959, AL031584, AC004544, AC018633, AC004470, AL049859, AC007243, AL034410, AC004069, AL079306, AL121652, Z68746, Z99572, AL132777, AL035258, AL132774, AC006365, AC004908</p> |
| 1189 | HCRNA26 | 875766 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a</p> | <p>AI492910, H27915, R87432, AC004492</p> |

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| | | | is any integer between 1 to 526 of SEQ ID NO:1189, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1189, and where b is greater than or equal to a + 14. | |
| 1190 | HCQDD42 | 875768 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 475 of SEQ ID NO:1190, b is an integer of 15 to 489, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1190, and where b is greater than or equal to a + 14. | R30734, R58196, AI808768, AI809938 |
| 1191 | HCRNN21 | 875769 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 398 of SEQ ID NO:1191, b is an integer of 15 to 412, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1191, and where b is greater than or equal to a + 14. | H39029, AL133893, AB023167 |
| 1192 | HCRNH26 | 875772 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI261627, AW274550, AI418272, AA458605, AW293861, AA731376, AI927518, D80453, AI217860 |

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| 1193 | HDPWD42 | 875773 | <p>is any integer between 1 to 814 of SEQ ID NO:1192, b is an integer of 15 to 828, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1192, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 266 of SEQ ID NO:1193, b is an integer of 15 to 280, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1193, and where b is greater than or equal to a + 14.</p> | N91462, AI873775 | |
| 1194 | HTAET42 | 875774 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1194, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1194, and where b is greater than or equal to a + 14.</p> | AC006946 | |
| 1195 | HMCIK65 | 875778 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a</p> | <p>AA488988, AI658816, AI808265, AI634138, AI695249, AA954672, AW236923, AA495812, AI308233, AA910211, AA488768, W21487, AI014480, AA484868, AW382542, N91779</p> | |

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| 1196 | HDTGQ43 | 875779 | <p>is any integer between 1 to 923 of SEQ ID NO:1195, b is an integer of 15 to 937, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1195, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:1196, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1196, and where b is greater than or equal to a + 14.</p> | AA609595, AI034361, AA983577, AA948387, AI660929, AI277113, AA906837, W60817, W60814, R54995, AI828307, R55002, AI927134, AW448912, AW022996, AW020086, AL036634, AL036759, AL036858, AL036924, AL038447, AL037082, AL037639, AL119319, AL036719, AL110306, AI929108, AW071417, AI927233, AI621341, AI307557, AW162194, AL037615, AW084056, AI335214, AL035928, AL037021, AL037643, AL036167, AL038529, AW161202, AI537677, AW087445, AW079432, AW161098, AI349186, AI961589, AI474646, AI887775, AI583578, AL037049, AW151136, AI815232, AW303089, AW163834, AI623941, AW051088, AI270183, AL048298, AI567971, AI471429, AW023351, AI631977, AA580663, AI888665, AI445620, AI500061, AI866770, AL046944, AI285439, AI476076, AI475371, AL040636, AI440238, AI538885, AI889376, AI679550, AW020397, AI445611, AW163554, AI494201, AI679266, AI284509, AA572758, AI499963, AI340519, AI340603, AL045500, AI433157, AI345745, AI702073, AL036808, AI828412, N33175, AA420722, AI521560, AI523806, AW022102, AL040241, AI633125, AL036638, AI698391, AI446373, AI915291, AA514684, AI582932, AW411043, AI889189, AI380329, AI824576, AI241901, AI432570, AL138388, AI345688, AI923989, AI458588, W74529, AI274768, AI254727, AI818728, |
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AI625209, AI866090, AL042551, AI802542,
AL119863, AL040011, AW023338, AI345608,
AA938092, AI933992, AI554485, AI554821,
AL048323, AA259207, AA806719, AI290153,
AI801556, AI539771, AI890576, AL048340,
AW152182, AI623736, AW366372, H42557, AW022636,
R32821, AI500659, AI345471, AI366549, AW269097,
AI801325, AI500523, AI582966, AI538867,
AI284517, AI499986, AI500706, AI307543,
AI491776, AI445237, AW151138, AI434731,
AI909661, AW172745, AI500662, AI680221,
AI889168, AI345253, AI284060, AL039011,
AI344935, AI866573, AI633493, AI433590,
AI434256, AI245008, AI589428, AI805769,
AI251221, AI888661, AI284513, AA464027,
AI702065, AI888118, R75918, AI690948, AI889147,
AW020095, AI536601, AI440252, AL047422,
AI349957, AI758988, AL043321, AI536912, N29277,
AL119836, AW410259, AI886415, AI345677,
AI561356, AI352497, H89138, AL037454, AL042365,
AL038605, AL119791, AI670009, AI689614,
AW075382, AI801793, AA693314, AW089006,
AA836168, AL038778, AA579232, AA635382,
AW403717, AI866127, AL046466, AA088789,
AI334930, AI918435, AL039086, AI802240,
AL047344, AW169784, AW089275, AI349937,
AI638644, AI560545, AW189301, AI288305,
AI699823, AI620284, AI334445, AI866469,
AW008353, AL120300, AI678428, AW168875,
AI859991, AI582367, AI912434, AW170773,
AI249877, AI690813, AI582926, E03348, Z82022,
I89947, AL049283, I48978, I66342, AL110159,
U67958, Y10655, A08916, AF182215, S68736,
AR034821, A08913, AL049347, AL137271, AL080127,
AL080140, AF026816, AL137539, A08910, A08909,
AL117457, AR011880, Y11587, E03671, AL080159,

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| | Z97214, AL137627, Y14314, I32738, S77771, AF113689, I89931, X79812, AF087943, AR029490, U75932, AL080060, I49625, S83440, AL117435, AF079765, AL122110, AF069506, AL133075, M92439, AF183393, AL050116, AF158248, AL137550, AF100781, AF113019, AL110296, AL137538, AF026124, Z37987, AR029580, S61953, AL049466, AF125948, AL137292, I48979, AF078844, AL050277, AL133093, AL137554, A07647, AL050146, U80742, U49908, A77033, A77035, I33392, AF061795, AL050149, AF151685, AF177401, AL050138, AL110280, X72889, AF028823, AF118094, AL133640, AL137459, AF079763, AL110221, AL133016, A45787, AL050393, E07361, AF094480, AF090900, AL137533, AL122121, AF057300, AF057299, AL133560, AL133081, AF118092, U86379, AL137711, U87620, AL137656, A08912, Y10080, X82434, AF100931, A18777, A07588, AF113699, AJ238278, AF090903, AL096744, AF180525, AL133606, A03736, AL137521, X63574, AJ005690, AJ012755, AR038854, AL133637, AF113677, AF090943, AR000496, U39656, A08908, X84990, AF017790, M96857, AL137529, I30339, I30334, AL137256, AR068753, AF061573, AL137479, S76508, AL080124, AL137463, AF111112, X63410, AL117648, AL122049, Y16645, A65341, AL137478, AL110196, AL122050, AF141289, AR059958, AL117460, AL133077, AL122093, AL133619, AL133565, X98834, AF113691, AF113690, AF017437, AF097996, AL133080, AF146568, X93495, AL133049, AL137476, A93016, I00734, AL137283, S36676, A65340, X80340, M30514, AF047716, AL049452, AF113676, E00617, E00717, E00778, U68387, AL050108, AL080126, U35846, AF008439, I89934, AF113694, X66862, A86558, AF067728, AL080154, Z13966, AL137648, M86826, AL133568, AL117392, AF081197, AF081195, AL122123, U88966, AF091084, |
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| 1197 | HT2SF78 | 875780 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1497 of SEQ ID NO:1197, b is an integer of 15 to 1511, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1197, and where b is greater than or equal to a + 14.</p> | <p>AF207750, A57389, AL117463, AL049938, Y11254, AL137523, AR038969, U90884, E02349, AF106827, AF111849, E15324, E07108, AF015958, U78525, AL133113, AL133072, AL137480, AF102578, AF106862, S78214, A58524, A58523, AF003737, AL137556, AF175903, AL050024, AL049430, I26207, AL117583, X52128, AL117585, AL133557, A93350, E01314, I03321, AF090901, A12297, U91329, D55641, AF090934, AF118064, I09360, AF118070, AL137560, AL122098, AF017152, U00686, AJ003118, AI291051, AA169183, W37412, AA081743, AA634346, W37413, N95342, AA757329, N49251, AI051537, W25251, AI028044, AI765214, H96923, AA844562, AW367898, N84978, N46525, AA169311, Z19468, AC007671, X77922, L43494, D26360, L32867, D45255, U53883, L38677, X84235, AC007544, AF088002</p> |
| 1198 | HCRMG60 | 875781 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 729 of SEQ ID NO:1198, b is an integer of 15 to 743, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1198, and where b is greater than or equal to a + 14.</p> | <p>AA443447, AW386761</p> |
| 1199 | HCRNC13 | 875782 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA514691, AI863374, AA634463, AW015540, Z41103, AL046561</p> |

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| 1200 | HCRPH74 | 875783 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 495 of SEQ ID NO:1199, b is an integer of 15 to 509, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1199, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 252 of SEQ ID NO:1200, b is an integer of 15 to 266, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1200, and where b is greater than or equal to a + 14.</p> | AW058223, AI891075 | |
| 1201 | HCQDW41 | 875784 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1201, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1201, and where b is greater than or equal to a + 14.</p> | AA236027, U91326, AF001549, U95742, AC007216, AC002045, AC002039, AC002425, AC002544 | |
| 1202 | HCRMZ22 | 875785 | <p>Preferably excluded from the present invention are one or more</p> | AA226868, AA668240 | |

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| 1203 | HCQDE41 | 875786 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID NO:1202, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1202, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 411 of SEQ ID NO:1203, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1203, and where b is greater than or equal to a + 14.</p> | AA454059, N81040 |
| 1204 | HMKCZ06 | 875787 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 675 of SEQ ID NO:1204, b is an integer of 15 to 689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1204, and where b is greater than or equal to a + 14.</p> | <p>AI732208, AW007403, AA570148, AI990949, AA974880, AA502007, AA587096, AI748880, AA918155, D25690, AW338222, AA916641, AI732207, AI679197, AA532851, AA877116, R55320, AL031587, AL022322</p> |
| 1205 | HMEGG05 | 875789 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA126720, AA304970, AI245437, C05706, AW074185, AI963381, AI278686, AI673497, AI355944,</p> |

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| 1206 | HNTMD41 | 875792 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2462 of SEQ ID NO:1205, b is an integer of 15 to 2476, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1205, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 616 of SEQ ID NO:1206, b is an integer of 15 to 630, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1206, and where b is greater than or equal to a + 14.</p> | <p>AI254709, AI556972, AA861926, AI696647, R15875, N77782, AI583602, AA424183, AA424252, AA860484, AI590425, AA962253, AI539094, AA872756, C04708, H89906, AI245750, AI015771, AW087562, AW179256, AI857288, C20598, AA688200, AI866350, AI887115, AA370173, AA720604, AA599102, AA594409, AI351720, AI818385, AI859521, AA360027, AI500090, AC006153, AJ250713, T66501</p> <p>AI689837, AW157773, AW134686, AI986479, AI879625, AW418716, AA975403, N90063, AA400229, AA554561, AI202416, AI208155, AI269000, AA480947, H05090, AA400228, AW137275, AI701698, AW392920</p> |
| 1207 | HCRNJ24 | 875794 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 741 of SEQ ID NO:1207, b is an integer of 15 to 755, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1207, and where b is greater than or equal to a + 14.</p> | <p>AA827926, AI860653, AW161711, AI808773, AI636695, AA741501, AA740727, AI889967, AW070423, AI075387, AI754281, AI300905, AI150922, N62430, AA142986, AW243049, T88858, AW298247, N67204, AI866174, AA150916, AI830959, AW361300, AA630806, AC006011</p> |
| 1208 | HWABK33 | 875798 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA977204, AA449116, AI377322, AI632071, AI743462, AI700245, AA613327, AL135261, N68390,</p> |

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| | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 586 of SEQ ID NO:1208, b is an integer of 15 to 600, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1208, and where b is greater than or equal to a + 14.</p> | AA236532, Z39901, AI370677, H17781, T34975, AA936440, AW087776, AI886612, AI653609, AA593199, AA804236, AI285242, AA805442, AI686576, AW263796, AI553645, AW089275, AI927755, AI621341, AI623941, AI698391, AW104724, AI699865, AA848053, AW148536, AI624548, AI472536, AI567582, AI673363, AI537837, AW051088, AI815232, AI538564, AI915291, AW152182, AA908294, AI582932, AI889189, AI866469, AI624056, AI417790, AI884318, AA514684, AW167146, W74529, AI624304, AI609069, AI932794, AL046595, AI491842, AL121328, AI491805, AI590423, AI909661, AI690887, AI969655, AI370623, AW149925, AI865906, AI498067, AI784233, AI888746, AW078606, AW162194, AI624545, AI635492, AI874261, AI863665, AW189301, N33175, AW262491, AI886753, AW169234, AI798456, AI690410, AI917428, AW103878, AW029186, AI631216, AL042382, AI251221, AW265004, AL046944, AI499570, AI742728, AW118518, AW162690, AI866780, AI538885, AI927233, AI818353, AI963846, AW089405, AL043975, AI568138, AI590603, AI564426, AI870190, AI802542, AI440399, AA629959, AI273085, AI686817, AI522052, AW160916, AI635032, AI609409, AI583578, AI473528, AW073865, AI590043, AI207656, AI500061, AI799313, AL036673, AI469270, AI500714, AI225023, AI537244, AW090768, AI565128, AW129722, AI473536, AI499890, AI002285, AI819545, AI469532, AI583065, AI564719, AI288305, AW163834, AI345415, AW088328, AL079963, AW044386, AI702073, AI912356, AI636588, AI241763, AI812107, AI538764, AI913330, AW169671, AI570989, AI269580, AI538716, AW090736, |
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AI624938, AI581033, AI978703, AL043355,
AI805603, AW105087, AI345688, AI613038,
AI612852, AI934052, AA641818, Z98446, AI247193,
AW198090, AW085373, AW148408, AI613270,
AL036923, AI570056, AI537303, AW264029,
AI439762, AI433157, AI610690, AI640873,
AI890907, AI536685, AI891084, AW078729,
AI633125, AI670984, AI950729, AW168663,
AI638644, AI923989, AL043345, AI249800,
AA911767, AI686808, AI701097, AI432969,
AI863321, AI623379, AI559619, AI699823,
AW193530, AW073270, AI554485, AW079432,
AW151136, AI682971, AW105412, AI655932,
AL045500, AI500588, AI677796, AI250852,
AI554821, AI538850, AI286256, AI619426,
AI873644, AI359586, AI863382, AL119791,
AI817523, AI570807, AI439452, AA602414,
AI473451, AL138457, AI114703, AA738104,
AW088698, AW078529, AI609375, AI633061, Z72491,
AL117435, X70685, X72624, AL023657, AF118090,
AF090903, I48978, AL137533, A77033, A77035,
D83032, AF017437, I89947, AL137292, AL137558,
AF113690, S36676, X84990, AF032666, AF146568,
AL096744, AF090900, U75304, I08319, E05822,
Z37987, A03736, S78214, AL050024, AL133640,
AF106657, AR038854, AF069506, AF111849, A08913,
AF081197, AL117460, AJ012755, X65873, AF182215,
AF113019, AF118094, AL117626, AL117416,
AL050092, AF067728, AF180525, AL050155, I09499,
AL117648, AL049283, AL050172, AL080148,
AL122121, X98834, AL137530, A08912, AF139986,
AJ005690, A08910, I79595, AF002985, A08909,
U83980, AL133665, I48979, AL133560, X82434,
AF090934, Y16645, A08908, AL122050, AF183393,
I66342, U78525, Y07905, AL080163, AL137479,
AL110280, AL137550, U88966, AF100931, X80340,

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| | | | | <p>AF031147, AL133016, X59414, E12747, E01573, E02319, AF067790, A12297, AF097996, AL049423, AF125948, AF061573, A08916, X83508, AF081195, A18777, AL122110, I89931, X72889, AL137459, U42766, AF139373, A93350, U68387, AF026816, I49625, A65341, AJ000937, AR034821, AF017152, AL110222, AF106862, X53587, AF076464, Y11587, AL133080, M85164, U96683, AL137529, AF090886, AL110221, E07108, AL117457, AL122118, AF090901, AL137294, E06743, I68732, A15345, X81464, X87582, A83556, AF087943, AL137271, AL096751, AL133031, AF079765, Z97214, AL133558, AL122100, AL050149, M92439, D16301, AF113677, I28326, AL137478, AC006336, AL137488, AL133113, AL110218, S76508, I89934, AF028823, I33392, Y10080, Z82022, AF153205, AF185614, AL133075, AL050116, AF177401, AL133568, AL050138, AL050393, AL137480, A21101, Y10655, AL110196, AL080159, E02349, AL117649, AF061795, AF151685, AJ003118, AF039138, AF039137, U49434, X06146, AR011880, AR013797, AR012379, AJ238278, M96857, I30339, I30334, AL137256, U31501, S68736, AL080129, AL137476, AL137539, S71381, AF078844, AR020905, AF200416, AF111851, A07647, AF185576, S77771, AJ006417, AF091084, Y11254, X83544, AL133081, AF079763, X52128, AF060866, AF142672, AL133557, AB007812, AF061981, AL122093, AL133606, I89944, AL133067, AF113689, AL049430, AL049382, AL080154, I42402, AL122111, AF210052, AL117583, Y14314, AL122045, AF158248, AL117394, AL137705, AL110224, AC004093, AL080118, X61970, A08907, AF113694, AF113699, M86826</p> |
| 1209 | HCVBC44 | 875800 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AA305027, AI167228, AI913614, AC021092</p> |

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| 1210 | HWLQA40 | 875801 | <p>the general formula of a-b, where a is any integer between 1 to 769 of SEQ ID NO:1209, b is an integer of 15 to 783, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1209, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 561 of SEQ ID NO:1210, b is an integer of 15 to 575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1210, and where b is greater than or equal to a + 14.</p> | <p>AI563898, AW072034, AI985652, AW025367, AA568178, AW262766, R60170, AA946920, AI985700, AI341944, AI245652, AW149165, AI453178, R40393, Z39653, F09372, AA594484, T23979, F04421, F10466, F02571, R38571, R40082, F01627, AI978944, AI269816, AI588858, C00343, AI683935, AB033084, AF019638</p> |
| 1211 | HWHP143 | 875804 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 561 of SEQ ID NO:1211, b is an integer of 15 to 575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1211, and where b is greater than or equal to a + 14.</p> | |
| 1212 | HKCSF43 | 875805 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AW139161, AI828623, AI675466, AI420850</p> |

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| 1213 | HQAD39 | 875808 | <p>the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1212, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1212, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 738 of SEQ ID NO:1213, b is an integer of 15 to 752, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1213, and where b is greater than or equal to a + 14.</p> | <p>AI309859, AI809088, AI650556, AI377258, AA629018, AW206377, AI968047, AI400261, AI014432, AI014514, AI143472, R02586, AI538164, AW387895, AW237769, AI474528, AA884915, AW387862, AA007677, AI522203, AW382761, X85547, AL080091</p> |
| 1214 | HCRNL08 | 875809 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1074 of SEQ ID NO:1214, b is an integer of 15 to 1088, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1214, and where b is greater than or equal to a + 14.</p> | <p>AI539366, AI769976, AW172437, AA425434, AA425297, AA279085, AI147845, AL119860, AI382211, AA287851, AA747806, AA933947, AA905535, AW204513, AA235991, AI222124, AA368273, AA287818, AA713651, AA972476, AA235795, AA713778, AF117888, AJ001714, AJ001713, L29148, L29135</p> |
| 1215 | HCRNY14 | 875810 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | |

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| 1216 | HCRQG46 | 875814 | <p>the general formula of a-b, where a is any integer between 1 to 368 of SEQ ID NO:1215, b is an integer of 15 to 382, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1215, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 811 of SEQ ID NO:1216, b is an integer of 15 to 825, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1216, and where b is greater than or equal to a + 14.</p> | <p>AW239403, Z99396, AW392670, AL119522, AW384394, AW363220, AL119497, AW372827, AL119443, AL036418, AL038837, AL119335, AL037051, AL036725, AA631969, AL119319, AL119324, AL119457, U46341, AL119396, AL036858, AL119483, AL119484, AL119363, AL119341, AL119391, AL119355, U46347, U46350, N71828, U46349, U46351, AL119496, AL039074, AL036924, AL042551, AL119418, AL119444, U46346, AL119399, AL042614, AL037205, AL119439, AL038509, AL042965, AL042975, AL134524, AL039564, AL134533, AL134528, AL037085, AL039085, U46345, AL039156, AL039108, AL039109, AL039128, AL042450, AL042984, AL119488, AL037094, AL037526, AL134527, AL134529, AL134538, AL036196, AL036190, AL043003, AL037639, AL042970, AL038520, AL039659, AL042542, AL036767, AL119511, AL042544, AL037082, AL043019, AL043029, AL036268, AL039912, AL037077, AL038447, AL036238, AL119464, AL038851, AL036774, AL042909, AL036733, AL036998, AL037027, AL037178, AL037615, AL036765, AL036719, AL036679, AL036191, AL036886, AL039410, AF105376, AC005411, AF105377, AF168992, AC005224, A81671, AR060234, AR066494, AC005375, AR023813, AR064707, AR069079, AR054110, AB026436</p> |
| 1217 | HCRQK63 | 875815 | Preferably excluded from the | M59710 |

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| 1218 | HWLVS38 | 875816 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1217, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1217, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of SEQ ID NO:1218, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1218, and where b is greater than or equal to a + 14.</p> | <p>AI671182, AI343459, AA071514, AI917350, AW235354, AA648922, AI985626, AA082291, AI857422, AW139217, AA341262, AI800535, AA913262, Z99396, AL119457, AL119324, AW392670, AL119443, AL119399, AL036418, AL038837, AA631969, AL037051, AL036725, AW384394, AL036858, AL039074, AW363220, AW372827, AL119483, AL119418, AL036924, U46349, AL119497, AL119484, AL037094, U46347, U46351, U46350, AL119355, AL119319, AL119335, AL038509, AL039564, AL039085, AL039156, AL119363, AL119391, AL039108, AL039109, AL039128, AL119439, AL036196, AL036190, AL119444, U46341, AL119522, AL119341, AL037639, AL119396, AL036767, AL037526, AL134527, AL037085, AL119496, AL037205, U46346, AL038531, AL134538, AL036268, AL037082, AL038520, U46345, AI142134, AL038447, AL037077, AL037027, AL037178, AL037615, AL038851, AL036998, AL036733, AL036774, AL036719, AL036765, AL036679, AL036174, AL036191, AL036158, AL036836, AR060234, AR066494, AR023813, A81671, AR064707, AR054110, AB026436, AR069079</p> |
| 1219 | HCRNT27 | 875817 | <p>Preferably excluded from the present invention are one or more</p> | AL035461 |

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| 1220 | HCRMT24 | 875819 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 542 of SEQ ID NO:1219, b is an integer of 15 to 556, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1219, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 134 of SEQ ID NO:1220, b is an integer of 15 to 148, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1220, and where b is greater than or equal to a + 14.</p> | AC007254 | |
| 1221 | HCRNQ33 | 875820 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 315 of SEQ ID NO:1221, b is an integer of 15 to 329, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1221, and where b is greater than or equal to a + 14.</p> | | |
| 1222 | HWLUO71 | 875821 | <p>Preferably excluded from the present invention are one or more</p> | T49153 | |

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| 1223 | HTXRZ02 | 875822 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 466 of SEQ ID NO:1222, b is an integer of 15 to 480, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1222, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1285 of SEQ ID NO:1223, b is an integer of 15 to 1299, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1223, and where b is greater than or equal to a + 14.</p> | <p>AI193178, AI076316, AI470965, AA703140, N34056, T80181, AI241153, AI952208, R37322, AA385859, W86007, N46975, AA700249, T48765, T87488, R97030, AC004150</p> |
| 1224 | HWMBO4 7 | 875824 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1048 of SEQ ID NO:1224, b is an integer of 15 to 1062, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1224, and where b is greater than or equal to a + 14.</p> | <p>AW027620, AI478256, AA977072, AA479381, AA479885, H39098, AI660057, AI743611, AA724117, AA894537, H00481, AW304843, T73210, AI953325, AA102063, AA770698, AA428456, AI370710, R60534, C03787, AB020650</p> |
| 1225 | HCQCC37 | 875825 | <p>Preferably excluded from the present invention are one or more</p> | AL046573 |

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| 1226 | HUVGY13 | 875826 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 594 of SEQ ID NO:1225, b is an integer of 15 to 608, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1225, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 875 of SEQ ID NO:1226, b is an integer of 15 to 889, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1226, and where b is greater than or equal to a + 14.</p> | <p>AA527277, AW403876, AW403877, AA112026, T67786, AI336206, AI472267, T11388, AI613487, AI889648, AI168361, D25667, AA586553, T18557, T67710, AI445768, AI567831, AI744381, AI921692, AI274006, AI042027, AI240308</p> |
| 1227 | HPMFM59 | 875828 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 725 of SEQ ID NO:1227, b is an integer of 15 to 739, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1227, and where b is greater than or equal to a + 14.</p> | N29001 |
| 1228 | HCROI42 | 875832 | <p>Preferably excluded from the present invention are one or more</p> | <p>AI378825, AI299691, AI248716, AI207012, AI025488, AI801275, AW139379, AI075931,</p> |

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| 1229 | HACBB04 | 875833 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 477 of SEQ ID NO:1228, b is an integer of 15 to 491, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1228, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1582 of SEQ ID NO:1229, b is an integer of 15 to 1596, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1229, and where b is greater than or equal to a + 14.</p> | <p>AI129182, R56213, AI868688, AI540526, AI352622, AI887854, AB014521, AF141884, AC004782</p> <p>AI348155, AI567487, AA482559, AA426355, AA482412, AA195102, N32669, AA722595, AW274254, AI859721, AI003615, AW242302, AI494186, AI394631, AL043629, AI824406, AI015872, AI284359, AW139669, AI942272, AA010713, AI290543, AA496459, AI364660, AI758530, AI368521, AI872567, AI423266, AF192529</p> |
| 1230 | HMMAC3 4 | 875834 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 566 of SEQ ID NO:1230, b is an integer of 15 to 580, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1230, and where b is greater than or equal to a + 14.</p> | |
| 1231 | HDPFA20 | 875836 | <p>Preferably excluded from the present invention are one or more</p> | <p>AI476641, AI800220, AA523781, AA688160, AW274475, AA279690, AA831827, AA480351, H23404,</p> |

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| 1232 | HTGBQ40 | 875837 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1662 of SEQ ID NO:1231, b is an integer of 15 to 1676, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1231, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1232, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1232, and where b is greater than or equal to a + 14.</p> | <p>AA810727, AI689632, AA353334, R28470, AA927802, Z45246, AA279721</p> <p>AI650736, H21389, AI336480, H21432, AI264947</p> |
| 1233 | HDPWD53 | 875838 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 487 of SEQ ID NO:1233, b is an integer of 15 to 501, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1233, and where b is greater than or equal to a + 14.</p> | |
| 1234 | HCROZ63 | 875839 | <p>Preferably excluded from the present invention are one or more</p> | T08857 |

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| 1235 | HWABJ67 | 875840 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 347 of SEQ ID NO:1234, b is an integer of 15 to 361, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1234, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 534 of SEQ ID NO:1235, b is an integer of 15 to 548, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1235, and where b is greater than or equal to a + 14.</p> | AI743586, AA773043, AI378041, AI653756, AW021263, AA934444, AI051436, AA525488, AA515054, AA737382, AI561320, AI566429, AI500523, AI590021, AW169671, AI890838, AI619607, AI890214, AI312428, AI499381, AI624693, AI500061, AI283760, AI340519, AI934035, AI637584, AW021717, AI633330, AW198090, AW087462, AI684279, AI493567, AI609594, AW129659, AI683475, AI906328, AI539153, AI673363, AW081298, AI889133, AL039132, AI963068, AA928539, AI802542, AI251221, AI571439, AI670002, AI591420, AL037454, AI288285, AI698391, AW089840, AI560012, AW169604, AW089439, AI564736, AI285448, AW051212, AW192652, AI633125, AI609331, AI439452, AI963846, AW192701, AA470523, AI471909, AI921379, AI686554, AI609128, AI915291, AW274192, AI610690, AI270183, AI432656, AI929108, AI926790, AI889189, AA769285, AW129106, AI815239, AA768550, AI758583, AL036705, AW163834, AL036780, AI624548, AI887308, AW161098, AI678496, AL039858, AI702073, AI624084, AI246905, AI890223, AL042365, AI524671, AL037582, AL036361, AL037602, AI345543, AA916372, AI702343, AI582932, AL120676, |
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| | AI634224, AI623941, AI521560, AL119863, AI932794, AI525669, AA420722, AI690748, AL045929, AI538116, AL038715, AI433157, AI623799, AI798456, AL119748, AI916419, AI813914, AA938092, AW080746, AI286256, AI572021, AI281762, AI921464, AI301710, AI950892, AI619754, AI812107, AI799273, AI863241, AI284484, AI688858, AI539780, AI871923, AI969655, AI570807, AW169132, AW051088, AI345666, AW105429, AA805434, AI918435, AI758694, AI340603, AI670009, AI923989, AI619777, AI682106, AI570169, AI500588, AI306705, AW268122, AI815232, AI525653, AI923370, AI932966, N33175, AW071349, AI912356, AL042745, AA603930, AL042544, AI925502, AI241678, AI702433, AI348854, AI922689, AW190297, AA807015, AL134830, AI673422, AI801325, AW080090, AI433590, AI619502, AI648699, AI859429, AI270099, AI473554, AW020693, AI912496, AI583085, AW163823, AI636588, AI497733, AI874166, AL045500, AI538829, AL119836, AI610402, AI800440, AI612913, AI499393, AI273094, AI345415, AI207656, AW366372, AI866770, AL036631, AI611743, AI537677, AI768496, AI473208, AI874243, AI498067, AI471540, AI799158, AL110306, AI824576, AL048323, AI817545, AL048340, AW152182, AW087445, AW148536, AI499285, AW168001, AI624545, AW129722, AA767039, AW151138, AL047100, AI702068, AI697137, AI473536, W74529, AI815237, AI310575, AW151786, AW151136, AW118508, AI859464, AI612107, AI452707, AI572787, AI340533, AI494201, AI917252, AW152459, AW193911, AW078729, AI362522, AI862139, AI874261, AL079741, AI933589, R36271, AF116545. |
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AF116548, AF116547, AF116546, AL133031,
AL137538, AL050116, AF111851, I89947, AF090943,
AR053103, AL137271, AF069506, AL133557, U35846,
AL133080, AL133072, A08910, A08909, I48978,
A77033, A77035, AL078602, AL049382, U42766,
A65341, E02349, X72889, Z82022, A08913,
AL117435, AL122121, M27260, U89295, A58524,
A58523, AL133560, AL035587, AL080159, AF183393,
AL117460, AL133075, AF090903, AL050149,
AF125948, Y07905, AL122110, AC007172, U68387,
AL137550, AF113691, AC002471, AC005374,
AF113690, AF017437, AF067728, AL049283,
AL137459, AF090900, AF106862, S61953, I89931,
AL133558, A08916, Y10655, I49625, U92992,
I33392, A21625, AF200464, AL110225, E01573,
E02319, AF100931, AL117457, Y11587, A76335,
AF141289, AL133113, AL050138, AF057300,
AF057299, Z83840, X70685, U73682, AC007458,
X83508, X82434, AF019298, AC006978, S78214,
AL117648, AF091084, AF113019, AF113677,
AF153205, AL110221, AL049452, U91329, AF140224,
AL080124, AF126247, AL050277, A08908, AL137560,
I48979, AF077349, Y13653, AL035458, AF118094,
AF087943, AL133640, AL117585, I03321, AF180525,
U80742, AL137480, E08516, I00734, AL137463,
AJ001388, M19658, A65340, AF118070, AJ242859,
AR059958, AF185614, E00617, E00717, E00778,
AL137479, AL137476, AC004383, AF078844, X87582,
AJ000937, AF106697, AF158248, AL050108,
AL133568, AL133565, AJ005690, AJ012755, M84133,
A26498, AF076464, U67958, AL122093, AF102578,
AL110280, AF118558, AF106827, U00763, AF082526,
Y14314, AF177401, S68736, AL117394, A08912,
AL137521, AF104032, AF026816, AF097996, U83980,
AF079763, X52128, AP000697, AF026124, AL050146,
AL050393, A03736, AL049314, X72624, AL117583,

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|------|---------|--------|---|---|
| 1236 | HCRMY91 | 875841 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 852 of SEQ ID NO:1236, b is an integer of 15 to 866, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1236, and where b is greater than or equal to a + 14.</p> | <p>M77345, AL137256, AF090896, AJ006417, E05822, AR038854, A21103, AL137283, AF118064, AL049938, E03671, AL049430, AR015970, AL137648, X84990, AL122098, AF017152, AF047716, AL133016, I09499, AF079765, X63574, X98834, AL122123, AR011880, AL049423, AF167995, AF119337, AF113694, AL049464, AL137557, AC002464, X96540, AR038969, AJ238278, AL080139, U37359, AL133014, AF030513, A90832, U72620, AF126372, AF003737, X66862, Y16645, M30514, AL110296, I17767, AF044221, X92070, Z37987, AF026008, L31396, AF146568, AI2297, L31397, AC002480, AF061943, AF113013, AF100781, AL133067, AF090934, S63521, AL050024, AL134431, AA046904, H05571, R11919, W79925, R11987, R55079, R84811, R53363, H10691, F11225, AA354088, R22842, R19546, AI803682, AI198775, AA452378, AA040404, AI150653, AA307589</p> |
| 1237 | HNTRA39 | 875845 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 785 of SEQ ID NO:1237, b is an integer of 15 to 799, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1237, and where b is greater</p> | <p>AI889332, AI628477, AI275204, AI633956, AW079861, AW118929, AA911538, AI342851, AW300007, R91897, AI623866, AW204145, L44538, AA011077, AI648696, AI914833, AI521684, X62311</p> |

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|------|---------|--------|---|--|
| 1238 | HCRPW33 | 875846 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 705 of SEQ ID NO:1238, b is an integer of 15 to 719, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1238, and where b is greater than or equal to $a + 14$.</p> | AA315737, AA476814 |
| 1239 | HFCFI37 | 875848 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 325 of SEQ ID NO:1239, b is an integer of 15 to 339, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1239, and where b is greater than or equal to $a + 14$.</p> | AL120789, AC003007, AC005632 |
| 1240 | HCQCL72 | 875849 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 215 of SEQ ID NO:1240, b is an integer of 15 to 229, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1240, and where b is greater</p> | AI817147, AA907222, H51868, AA281655, AA361371, AI301198, AA911728 |

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|------|---------|--------|---|---|
| 1241 | HCQCT09 | 875850 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 1061 of SEQ ID NO:1241, b is an integer of 15 to 1075, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1241, and where b is greater than or equal to $a + 14$.</p> | <p>AW021240, AA535264, AA149863, AA694163, AI422346, AI472109, AI811633, AA931734, AI419485, AI302192, AI288249, AA410584, AI418912, AI049618, AI089786, AA911728, AA149808, AI700267, AI299240, AA501370, AI814823, AA232714, AI865849, AA232212, AA825451, AI718827, AI281840, AA932086, AI283229, H60430, AI471234, H60476, AA631685, AA576637, AI301198, AI949336, AA368973, AA236013, C01314, AI860871, AA361371, AA281786, AA327052, AA907222, AI857607, AI817147, AA281655, AA411619, H51868</p> <p>AC006512, U47924</p> |
| 1242 | HCRMR12 | 875851 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 322 of SEQ ID NO:1242, b is an integer of 15 to 336, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1242, and where b is greater than or equal to $a + 14$.</p> | |
| 1243 | HCIAE18 | 875852 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 738 of SEQ ID NO:1243, b is an integer of 15 to 752, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1243, and where b is greater</p> | <p>AA524300, AI732383, AA570296, AI732336, AA515389</p> |

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|------|-------------|--------|---|---|
| 1244 | HMFHU39 | 875855 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 750 of SEQ ID NO:1244, b is an integer of 15 to 764, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1244, and where b is greater than or equal to $a + 14$.</p> | <p>AI271571, AA452037, AI424866, AA423988, AA483361, AI266636, AA742931, AI266634, AA424028, AA702780</p> |
| 1245 | HCQAW29 | 875856 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 354 of SEQ ID NO:1245, b is an integer of 15 to 368, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1245, and where b is greater than or equal to $a + 14$.</p> | <p>R33721</p> |
| 1246 | HBMDM3 3 | 875858 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 497 of SEQ ID NO:1246, b is an integer of 15 to 511, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1246, and where b is greater</p> | <p>AA857451, AA857804</p> |

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| 1247 | HKLSD32 | 875863 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 417 of SEQ ID NO:1247, b is an integer of 15 to 431, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1247, and where b is greater than or equal to $a + 14$.</p> | AA405791, AI524014, AI380383, AW082968, AW342068, AA911893, AI824001, AI692746, AI433518, AI949654, AW170143, AI277105, AI266424, AI272885, AI318386, AI937056, AW058565, AW028276, AI075130, AI632588, AI393303, W99355, AI470310, H87135, AI807925, AI027883, AI695062, AI277524, AI201665, AA099404, AI471922, AA384650, AA364750, AA099465, AI359471, AI961082, AW338912, AW302395, AI702221, AW059776, D20616, AF086516, AI653206 |
| 1248 | HYACE34 | 875864 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 2044 of SEQ ID NO:1248, b is an integer of 15 to 2058, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1248, and where b is greater than or equal to $a + 14$.</p> | AI492300, AA155864, AI336122, AA507001, AI805390, AA213868, AA504365, AI805573, AI267513, AA480597, N28434, AA829763, H86647, W99382, R82575, AA213776, AW402251, AI277875, AI220789, AA405669, AA281807, AW023046, AA025280 |
| 1249 | HNTTC18 | 875865 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 929 of SEQ ID NO:1249, b is an integer of 15 to 943, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1249, and where b is greater</p> | AL041644, AI652238, AI125934, AI972064, AI373883, AA401082, AA403146, AA587259, AW152027, AA648691, AA632889, AA572909, AA528434, T52508, T04918, T63002, AI625085, AI817337, AA922661, AA091326, M27878 |

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| 1250 | H2CAA34 | 875868 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 2217 of SEQ ID NO:1250, b is an integer of 15 to 2231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1250, and where b is greater than or equal to $a + 14$.</p> | <p>AA913891, AA071067, AW247518, AA125853, R56714, AA576929, AA307834, AA204972, AA445946, H98812, AI028402, AA127005, AA223811, AA101503, R72151, H53723, H06566, H29389, AA182597, AA126153, AA232436, AA306744, T35189, AA164773, AI458548, T70821, R10266, Z21129, AW386767, AA436573, AI610191, H29413, AA301432, AA724488, AW449887, AI242268, AI525912, AW368592, AW377757, AW390796, AA344660, AA307848, AA715437, AW361336, AI248847, AL040968, AA938368, AW361341, AA676800, AW368596, Z21101, AW451729, AF191018, Z94761</p> |
| 1251 | HWLQA33 | 875871 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 398 of SEQ ID NO:1251, b is an integer of 15 to 412, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1251, and where b is greater than or equal to $a + 14$.</p> | <p>AA436794, R09306, AA384577, AC006211</p> |
| 1252 | HCQCT65 | 875874 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 402 of SEQ ID NO:1252, b is an integer of 15 to 416, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1252, and where b is greater</p> | |

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|------|---------|--------|---|---|
| 1253 | HWHP150 | 875884 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 2721 of SEQ ID NO:1253, b is an integer of 15 to 2735, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1253, and where b is greater than or equal to $a + 14$.</p> | <p>AW026114, AW418826, AW341657, AA910088, AI860171, AW190146, AI700326, AI089966, AI670850, H18740, AI093699, AI159857, AA996095, AI401266, AI240251, AW242162, AA594503, AI056938, AI864216, AA506903, AA426024, AA724498, AI263294, T75461, Z43179, AA443290, H25984, AA514196, R61755, AA526102, AA476713, F13159, T19223, Z39262, AA705253, AA609888, AA659875, F02603, R34659, AA319603, AA759148, R49189, AI538091, F13136, R61756, R21716, AA300990, F06309, F10761, AI865079, AW337918, AI889018, AA834239, AA096413, AI242996, F06308, H18653, AA774400, R46606, AW382812, N53750, AW382785, AL121653, AL121658</p> <p>AI703451</p> |
| 1254 | HCRQD12 | 875886 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 679 of SEQ ID NO:1254, b is an integer of 15 to 693, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1254, and where b is greater than or equal to $a + 14$.</p> | |
| 1255 | HNHHM31 | 875888 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 448 of SEQ ID NO:1255, b is an integer of 15 to 462, where both a and b correspond to the positions of</p> | <p>AA644044, AW135276, AA887861, AW137420</p> |

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| 1256 | HCRQG23 | 875891 | <p>nucleotide residues shown in SEQ ID NO:1255, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1023 of SEQ ID NO:1256, b is an integer of 15 to 1037, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1256, and where b is greater than or equal to a + 14.</p> | <p>AI022242, AW410996, AI800815, AI814040, AW264268, AA191425, W72080, W94651, AW015105, AA443454, AA443318, AW410985, AI597605, AW273210, AW250450, AW411145, AI190182, AA993201, AA403278, AA430513, W94612, W96124, N54325, AI357461, AA190985, W77863, AA643738, AL120980, AA113214, AA858265, AA993185, AI375010, AI498876, AA829321, AA701490, AA132962, AA287691, AI277849, AI301164, AA251325, AW015857, AA403106, W60258, AA084833, AI253793, AA775859, W05830, AA243176, AI038024, AA766410, AA805677, AI049993, AA775554, AI039481, H80596, AA196760, AA430648, AA804241, N77873, W96125, R69970, H80623, AI219581, H67651, AA190668, C01701, AI352459, AI275174, AA732213, AA128877, H30387, N23878, T12121, AI015455, H80540, AI220709, H67511, H18761, AA485022, AA251518, AA243193, AA505285, AA779102, H82765, AA570290, H52438, H67114, H71899, R69971, H52437, AA187869, AA505681, H67510, AA626883, AA232342, H71112, AA995473, AA456466, AI142314, H80657, AA454572, AA213633, AL119457, AL119399, AL119324, AL042544, AL134524, AW392670, AL119484, AL119439, AL119443, Z99396, AW372827, AL119391, AW363220, AL119319, AL134530, AW384394, AL119522, AL134519, U46347, AL119497, U46350, AL119363, AL119418, AL134528, AL119483, U46351, AL119355, U46349, U46341, AL119341, AL119335, AL119396, AL119444, AL119464, AL119496, AL043003, AL037205, AL042614, AL119401, U46346, AL134525, D21063, D83987, X67334, AF004105, D86725, AR060234, AR066494, A81671, AB026436, AR054110,</p> |
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| 1257 | HKLSB39 | 875894 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1257 of SEQ ID NO:1257, b is an integer of 15 to 1271, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1257, and where b is greater than or equal to a + 14.</p> | <p>AR069079, AR043113 AA595346, AA243787, AA024609, AA024578, AA076356, AA076467, AA760927, AI272832, AA243135, H17412, F06362, R25565, AI829044, AA400326, T26645, AA243569, AW020146, AI744718, AW384427, AA768909, AA743098, T77293, AA024577, AA723998, U35376, D70831, AC002519, AF038179, AA400327</p> |
| 1258 | H2CBN05 | 875897 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 835 of SEQ ID NO:1258, b is an integer of 15 to 849, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1258, and where b is greater than or equal to a + 14.</p> | <p>AA307799, AW292094, T70856, AI161296, AA235668, AW296027, AI699099, AI693823, AI693216, AI992018, AA115026, AI681528, AA136109, AA732568, AA776036, AA643914, AA258666, AA416754, AI061590</p> |
| 1259 | HCQDT85 | 875899 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 608 of SEQ ID NO:1259, b is an integer of 15 to 622, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1259, and where b is greater</p> | <p>AI500310, AI672249</p> |

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| 1260 | HARAJ31 | 875900 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 457 of SEQ ID NO:1260, b is an integer of 15 to 471, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1260, and where b is greater than or equal to $a + 14$.</p> | AA317663, Z65370 |
| 1261 | HCRMQ35 | 875904 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 633 of SEQ ID NO:1261, b is an integer of 15 to 647, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1261, and where b is greater than or equal to $a + 14$.</p> | AI589507, AW009664, AA703098, AI453542, AA532750, N67298, AI148172, AI095316, AA708739, AW022231, AI601197, AI457493, AI580184, AA922944, AI922763, AI023347, AI096333, AA633368, AW023348, AA477261, AA693591, AI870748, AW274004, W78756, AI298179, W78055, AI057523, AI126504, AI248086, AA873476, AI679385, AI679894, AI190295, AW073346, N21034, AA039311, N22989, AA508686, W80491, W86880, AI361360, AI540214, AA938881, W79149, AW368422, AI432392, AI078371, R61323, AA039411, AA932937, AA829705, AW073773, AA002095, N67361, H59053, AA076438, AA535629, AA912096, W21314, AA610431, AI936749, T66278, AW405920, F12299, N44193, AA508849, AA884012, AA890651, W81519, N93501, AA480270, C00277, R38195, AI332894, T16604, W21320, R44910, N78644, AI478709, AI125999, AI590819, AA558779, AI300933, AW263399, AI085918, AA974965, AI741413, N93508, W81635, AW194811, N93088, AI630149, R56244, W24742, AW205755, AA991876, AI972554, AA004362, AI989930, AI760486, AI491861, AI581783, AA991538, AI969278, Z39245, AI650517, AW361735, |

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| 1262 | HMUBG30 | 875905 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 822 of SEQ ID NO:1262, b is an integer of 15 to 836, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1262, and where b is greater than or equal to a + 14.</p> | <p>AW361839, U90904, AI242039 AA459525, AA402831, H93300, W45229, AC004806, AC004056, AL031116</p> |
| 1263 | HCQAH30 | 875906 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 298 of SEQ ID NO:1263, b is an integer of 15 to 312, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1263, and where b is greater than or equal to a + 14.</p> | |
| 1264 | HWDAB30 | 875907 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 176 of SEQ ID NO:1264, b is an integer of 15 to 190, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1264, and where b is greater</p> | <p>AF161019, AJ131890</p> |

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| 1265 | HCQAM30 | 875908 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 557 of SEQ ID NO:1265, b is an integer of 15 to 571, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1265, and where b is greater than or equal to $a + 14$.</p> | <p>AA431300, AW450428, AI688064, AI768150, AI123686, AW242691, AI052046, AA890607, AA758061, AA609531, AI797591, AA723978, AA934785, AA431657</p> |
| 1266 | HAGEA31 | 875912 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 1460 of SEQ ID NO:1266, b is an integer of 15 to 1474, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1266, and where b is greater than or equal to $a + 14$.</p> | <p>AA305680, H64054, AA159569, AA378423, AA321559, AA237093, AL117344</p> |
| 1267 | HCROZ66 | 875913 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 1391 of SEQ ID NO:1267, b is an integer of 15 to 1405, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1267, and where b is greater</p> | <p>AI823992, AW082308, AI816135, AI589007, AI566535, AW272765, AA766315, AW242239, AA279943, AI816094, AI014927, AI038579, AA578848, AI476548, AI354483, AA973322, AA992180, AI392988, AA327978, AA769228, AA506076, AI653752, AI370562, AA172248, AA343765, AI282882, AA279942, AA506075, AL137710</p> |

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| 1268 | HDPBY50 | 875914 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1439 of SEQ ID NO:1268, b is an integer of 15 to 1453, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1268, and where b is greater than or equal to $a + 14$.</p> | AI819116, AW372211, AW372198, AI583182, AA176112, AW134519, AI628367, AI478195, AA143793, AI394104, AI697987, AI675294, AW390678, AI768078, N24394, AA101252, AI830602, AI628409, AI438987, AI810299, AA020980, R22198, AI890121, AI671411, AA733134, H44639, AA581997, AI862828, AW139467, AI866902, AA857679, H97045, AA465732, AA340274, AA974904, AA731664, AA494109, AI811317, AI338111, R78337, H99145, AI200103, AA291168, AA731663, AA327229, AW363178, AA021065, D79177, R77963, R22252, AI581618, AA026878, AA501786, AA216611, W32118, W31626, H43598, AA148177, AA730560, AI472513, AA465134, C75353, C01240, AA978055, AW369487, AA731711, AI538764, AA731241, AL042191, AW193620, AW025279, AI096771, AW243451, AW150750, AW029457, AI537187, AI421662, AI571442, AI224373, AI433611, AI491710, AI696583, AA830333, W45039, AI927233, AI671429, AI370623, AW021717, AW150214, AI095530, AI289791, AA613255, AW089379, AW020455, AL045859, AW168700, AI678681, AL040011, AI633125, AW194014, AI351737, AI831938, AI499325, AI491852, AI699020, AI678446, AI468622, AI932660, AI886355, AI952797, AI696714, AI817733, AI889449, AI309306, AW080157, AW087837, AA761557, AI656270, W38553, AW167926, AI493836, AW021662, AW002327, AI524139, AW089844, AA630788, AI954721, AI568293, AA760851, AI470717, AI342210, AA954134, AI445620, AW163834, AI613038, AI623835, AW410842, AW083750, AW023871, AA923096, AI867017, AI368579, F36855, AI886452, AI680369, AI658566, AI801325, N22276, F37323, AA829775, AI923989, AI690813, AI538885, |
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| 1269 | HDTKD18 | 875915 | <p>AI866469, AL042593, AI648699, AA814517, AW293496, N25033, AW151136, AW051898, AW183620, AW193125, AI638644, AI862896, AP000501, AL133047, AL080234, AL050116, AL137271, AB007812, E03348, E03349, AL117587, AC005886, AF118094, AF013214, E12747, A65341, AF115392, AF047716, AF124728, AL117460, AJ005870, L25851, I33984, AL133067, AF002672, AR022283, AL137258, AL050172, AL137533, AF185614, I89947, AC002287, AC004690, AJ005690, AR038854, AR050959, AR012379, X93495, AF000167, AC002540, M85164, AL133015, AL137548, A18777, Y14314, AF126372, E04233, AF200464, I09499, AL133619, AL133084, I22020, AF036941, AR062106, AL023657, AL137641, S77771, X84990, AL137711, X72889, AF161418, AL137650, AF008439, S59519, AL133016, U37359, AL133371, AF054289, AF095901, A41579, AL133665, AF100931, X66862, AL137478, AL080159, AF136009, AL122100, AF199027, AR034821, S82852, A03736, AF102578, Z97214, S65585, A08907, AR020905, AR066485, X70514, U96683, S83440, AF032666, X00861, AC018767, X61399, AF044323, U36585, AL137292, AJ012755, AF182215, AC006013, AF098484, AL050024, AB031064, AL133088, AL049423, AR059958, X68560, AF124435, U72620, AL117649, X06146, AF090901, AL049276, AL049447, AF038847, AF107847, AR029490, E12806, AL137716, AL137495, X99971, AF150103</p> |
| | | | <p>AI796221, N64043, AA036820, AW237633, AA485589, AA036775, AA485425, AI270597, AI242326, AW001030</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1339 of SEQ ID NO:1269, b is an integer of 15 to 1353, where both a and b</p> |

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| 1270 | HHPGT16 | 875923 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1269, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1555 of SEQ ID NO:1270, b is an integer of 15 to 1569, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1270, and where b is greater than or equal to a + 14.</p> | <p>AI307250, AI271439, AI650441, AI017475, AI251828, AI672237, AI374969, AI350623, AI334985, AA483351, AA251224, AI146704, AI000570, AA442545, AA629033, AW002826, AA489129, AI491723, AI208598, AI886308, AW149502, D45489, AL049146, AI143491, AW020704, AW022820, AW369852, Z43342, AI221861, AA779644, AI221998, AL079690, T18542, AB002371, AL049382, AF176816</p> |
| 1271 | H2CBF28 | 875924 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 559 of SEQ ID NO:1271, b is an integer of 15 to 573, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1271, and where b is greater than or equal to a + 14.</p> | <p>AA461032, AA307375, AF155739</p> |
| 1272 | HCQDM28 | 875925 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 768 of SEQ ID NO:1272, b is an integer of 15 to 782, where both a and b</p> | <p>N30135, AI767701, AI633623, AI140698, AW269969, N34283, AA610009, T65377, AA535713, AA135305, AA904500, AI271558, AW043844, AW168046, R42844, AA830555, H20852, N51615, AW168340, AA779492, D29317, AW149189, T77049, AA910171, AA679759, AI262864, H22970, H08110, AA136386, R40094, F09407, T15987, T35272, AI470445, H08109, AA361165, H20903, R21459, H22760, R14782,</p> |

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| | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1275, and where b is greater than or equal to a + 14. | AW134514, AA362770, AI738910, AA931551, AA856757, AW079224, AA856766, R99371, AI431703, AW023137, AA525926, AI784057, AA844907, AW168420, Z94056, AC007160, AC005874, AF134471, AL049872, AC007263, AC007064, Z97055, AC006480, AC005799, AC005616, AC006088, AC004707, AL035408, AC002375, AC010206, AL024507, AC004702, AC005102, AC004679, AC007376, AC004542, AC005011, AC005207, AL117338, AL031767, U91318, AC005953, AC005036, AP000111, AP000043, AC005477, AC005228, AL031665, AL035414, AC005578, AC004791, AP001053, AC007276, AC004921, AL133289, AC006387, AF001549, AC004887, AC006582, AB020863, AL139054, AC005993, AL109837, AL132774, AL035686, AP000108, AP000040, AC004862, Z98744, AC003007, AC007880, Z95126, AC011604, AE000661, AC005013, AC005295, AL049869, U82670, AC007225, AL022326, AL031681, AC004605, U85196, AC007402, AC009501, AL034420, AC003964, AC007546, Z99496, AC009946, AC006059, AP000509, AC005145, AC004976, AC005095, AC002384, AL049743, AL121578, AL078593, AC008115, AL121657, AC007510, AP000240, U80460, AC007773, AC005792, AC005482, Z98043, AE000659, AC004817, AL022100, AL035089, Z82245, AC005547, AC004825, AL035608, AC003991, AL078475, AC004510, AL022727, AC012627, AB003151, AC006167, AC005027, AB004907, AC005878, AL096711, AC004029, AP000511, AF111169, D84394, AP000688, AC011456, U50871, AP000280, AL109985, AC004838, AL035420, AC002390, AC002299, AB023050, AC002992, AC003037, AP000107, Z99715, AC004185, AC006137, AP000039, AL109956, AL109654, AF015416, AC007380, AC006040, AC004067, AC006204, AL049564, U85198, AC004859, AC004896, AC006536, |
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| 1276 | HAAAC11 | 875933 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 836 of SEQ ID NO:1276, b is an integer of 15 to 850, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1276, and where b is greater than or equal to a + 14.</p> | <p>AP000131, AP000209, AC002464, AC004700, AC003670, AF207955, Z79996, AP000283, AC002289, U95740, AC004002, AC006928, AC007058, U52112, AC007240, AC005380, AL121591, AL109938, AC005731, AL035069, AP000282, AC004106, AC006991, AC004911, AF002993, AP000501, Z69712, AF096876, AC002331, AL023805, AC007450, AC006048, X96421, AC005483, AP000201, AL034554, AC005138, AF165142, AP000097, AC007280, AC004472, AC007024, AC004409, AP000248, AP000144, Z92547, AL031053</p> |
| 1277 | HNHOI84 | 875934 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 486 of SEQ ID NO:1277, b is an integer of 15 to 500, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1277, and where b is greater than or equal to a + 14.</p> | <p>AA417136, H78660, AW292282, AC000378</p> |
| 1278 | HRABT72 | 875935 | <p>Preferably excluded from the</p> | |

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| 1279 | HWLEG68 | 875936 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 547 of SEQ ID NO:1278, b is an integer of 15 to 561, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1278, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1653 of SEQ ID NO:1279, b is an integer of 15 to 1667, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1279, and where b is greater than or equal to a + 14.</p> | <p>AW377286, AA877900, AW374882, AW374986, AW363009, AW374838, AI791951, AW374892, AI431674, AW374858, AW363038, AW363010, AI821099, AW374992, AI940416, AW374993, AW375002, AI821845, AA633302, AW374878, AW363039, AW274215, AI732655, AI573096, AW374894, AA581944, AW191851, AW451240, AI360701, AI273759, AI280846, AW451809, AA053660, AW452362, AW293665, AA535532, AI620830, AA961152, AA582019, AA053763, AA295334, AI318604, AI278909, AW374321, AW080947, AW351525, AA376765, AA366856, AW191847, D25711, AA377129, AA601073, T24571, AW376784, AW376582, AI708873, AW243603, AI991190, AW376686, AW376776, AW376658, AI828388, AW291776, AW006478, AW193257, AW376625, AI254661, AW376692, AI458795, AW376516, AW364147</p> |
| 1280 | HSIDV66 | 875937 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 443 of SEQ ID NO:1280, b is an integer of</p> | <p>AI431674, AW376784, AW376582, AW376686, AW376658, AW376776, AW451240, AI360701, AW452362, AW451809, AA535532, AW376625, AA961152, AI648663, AI284509, AI042628, AI815855, AI476109, AW150578, AL045266, AI866002, AI866573, AL041772, AW084219, AI289937, AI274769, AI863240, AI250663,</p> |

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| | | | 15 to 457, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1280, and where b is greater than or equal to a + 14. | AI364788, AI433976, AW051107, AI620284, AI590120, AL045500, AI433157, AI560099, AI539771, AI345608, AI521012, AI537677, AW083804, AI521560, AI500659, AI801325, AI500523, AI284517, AI500706, AI491776, AI445237, AW151138, AI500662, AI273142, AI633493, AI434256, AI284513, AI888118, AI868831, AW149227, AI828731, AI619716, AW082040, AW102785, AW103893, AI561299, AI608676, AI886124, AI554218, AW079159, AI269862, AI612759, AI867042, AI888953, AI280661, AI537617, AI919345, AA427700, AI537515, AI349598, AI251830, AI873644, AI366549, AI636719, AI340582, AW103371, AL042551, AI611743, AI500039, AW161579, AI955906, AI872711, AI571909, AI801322, AL043326, AL040243, AW162071, AI284131, AI433037, AI174394, AI923768, AI888661, AW268220, AL119863, AI334450, AI340603, AI498579, AI445165, AL036759, AW023590, AW302988, AI687065, AI446003, AW074993, AI224992, AW059837, AI251205, AI696626, AI344935, AI678762, AI539153, AI610645, AL036214, AI828367, AW262565, AI439762, AL120853, AW087445, AI499986, AI633419, AA225339, AI538716, AI689420, AW301300, AI097248, AI453322, AI815232, AI269696, AW190042, AL079963, AI922676, AI680498, AW071417, AI963216, AI348897, AW082594, AL119791, AI922901, AI282326, AI888944, AW088134, AI589993, AI648684, AI687465, AW022682, AW403717, AW167410, AW129106, AI800453, AI800433, AI468872, AI866608, AW238730, AW088903, AI829327, AW081255, AI308032, AI889189, AI497733, AI308035, AI275175, AW169653, AL038605, AA640779, |
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| | AI9211176, AI434223, AI689175, AA470491, AI343059, AL040241, AA508692, AI292193, AI446373, AL037454, AI349933, N80094, AI349256, AW196141, AI805638, AI569616, AI824557, AI587288, AL121328, AA494167, AA974049, AL038779, AI873604, AL036361, AL036403, N33175, AI336575, AI349645, AW117746, AL110402, AL036274, AI799199, AA572758, AI540832, AW269097, AI926790, AW002342, AW050522, AL038445, AW089179, AI312428, AI554427, AI564719, AI891157, AI696819, AI281772, AI889376, AI932794, AI857760, AI499463, AI524671, AI608936, AI699011, AW051258, AW085667, AI921248, AI611738, AW102761, AI619502, AI677796, AI632408, AI306613, AI802542, AI569583, AI952360, AI633125, AI499285, AI886753, AI312152, AI274013, AI564723, AI933589, AW026882, AI627988, AI783504, AA420758, AI869367, AL036869, I48979, I48978, AB019565, A08916, I89947, A08913, A08910, AL133016, I89931, I49625, AL110196, AL133080, AF106862, AF079765, AL122050, AF113013, AL133560, AF146568, AF090896, E03348, AL049382, AL049314, AR059958, AF113689, Y11587, A08909, AF113676, S68736, AL137557, AL133093, AL049466, AF113690, E07361, Y16645, X84990, AL137527, AL133565, AL080060, AJ242859, AL122121, AF118064, AF118070, AL049430, AF113699, AL133640, AL080137, AF061943, AL050146, AF091084, AL117583, AL117585, AL122098, AF090903, AL050116, AF177401, AF104032, AL122123, AF090934, A65341, Y11254, S78214, AL110221, AF125949, AL122093, AF078844, AF113019, AL049300, AF097996, AF111851, Z82022, AF183393, AL137538, AL137463, AF090901, AL050393, AF011880, AL133557, AF017152, |
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| 1281 | HWAAD15 | 875938 | Preferably excluded from the | AL133075, AF158248, X93495, U72620, A93016, AF118094, AF113694, X82434, AL050024, AJ000937, AL049464, E02349, AL050277, AL137459, AL117460, E07108, AF090900, AL117457, L31396, U42766, AL133606, AL137521, L31397, X96540, A58524, AL049452, A58523, AL137550, U00763, AJ238278, AL050108, AL080124, AL117394, X63574, I03321, AF017437, AF113677, A77033, A77035, I33392, AL137271, AF113691, AL080127, AL050149, AF125948, AL117435, X72889, AF090943, AL096744, AL110225, U80742, AL050138, U91329, AL122110, AL137283, AL049938, AL137648, A12297, X70685, AL133113, U35846, A03736, X65873, AL080159, I42402, AL133072, E15569, A08912, I09360, AF087943, AL049283, AL110197, U67958, X98834, E08263, E08264, AF067728, AL137523, AR000496, U39656, I26207, AL122049, AL133077, AL050172, A93350, AJ012755, AL133104, AF111112, A07647, AF119337, AL137560, AF003737, AL137556, AF153205, Y14314, AL133014, AF000145, AL110280, AF026124, AL133568, AF185576, AF026816, AF162270, AL117440, AR038854, Z72491, AF106827, U96683, AF057300, AF057299, S61953, E04233, L30117, AL117432, AL137476, I17767, AL137273, AL122111, Y09972, E02221, AR038969, A90832, AL133067, AL137526, A08911, A45787, AL133098, AF079763, AL137480, AR013797, I00734, U78525, L19437, X87582, E00617, E00717, E00778, AC006112, AC004093, X62580, Z37987, AL080074, AJ006417, AC004878, M30514, X92070, AL080086, E05822, AF067790, AF095901, AL137478, U68387, AL122118, AL050092, E08631, Y07905, U49908, U58996, AC006336, AL022147, AF210052, AF111849, AL137705, AF132676, AF061836, AL023657, AL137533, AL137292, AF008439, AF100931 AI479334, AW438880, AI969482, AA740980, |
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| 1282 | HUFFD27 | 875939 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 709 of SEQ ID NO:1281, b is an integer of 15 to 723, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1281, and where b is greater than or equal to a + 14.</p> | <p>AI151466, AI670122, AA877322, N63143, AI4222330, AA694453, AA766111, AI277749, D20155, AI633803, AA910174, AW002649, AF102851</p> |
| 1283 | HWLMZ30 | 875940 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 317 of SEQ ID NO:1282, b is an integer of 15 to 331, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1282, and where b is greater than or equal to a + 14.</p> | <p>T81216</p> |
| 1284 | H2LA189 | 875941 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 333 of SEQ ID NO:1283, b is an integer of 15 to 347, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1283, and where b is greater than or equal to a + 14.</p> | <p>AW295800, AW449384, AI341114, AA886955</p> |
| | | | Preferably excluded from the | AA314048, D80168, D59695, D80949, D52291. |

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| | | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 904 of SEQ ID NO:1284, b is an integer of 15 to 918, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1284, and where b is greater than or equal to a + 14.</p> | <p>C14298, D51079, C14227, AW360780, C14407, D81111, D80064, D80290, D59927, D59627, D80227, D59502, D59859, D80269, D80195, D51799, D58283, D80166, C14331, C15076, D59467, D51423, D59619, D80210, D80391, D80164, D59275, D80240, D80253, D80193, D81030, D80043, C14389, AW352172, D80212, D80022, D57483, D80038, D80378, D80196, D80188, D80219, D50995, D59787, AW377661, D59889, D59610, D50979, D80366, D80045, D80024, D80241, AA305409, F13647, AI557751, T11417, C06015, Z21582, D58101, C75259, D51060, C14014, D80258, D59503, AA514188, D51022, AA305578, D58246, D51213, D45273, T03048, AW377669, AI557774, D80248, D80014, D80228, T02974, C16955, D59484, D52059, D81026, AA514186, C05695, AI535686, D80268, Z33452, D80302, AA514184, D80439, D80522, D80133, D80251, D80247, T03116, AI535961, H67854, H67866, AA027769, D51103, AI525216, AI525228, D51053, T02868, AI525969, C03092, D59373, AA809122, N66429, D51759, C14973, D59551, D31458, C14344, D59317, D80157, C04682, D51221, D59474, Z30160, AI525238, D59653, C14046, C13958, H67858, AI525242, AI525222, C14957, D60010, AI525923, D45260, AI525920, AA305720, AF048722, AB006320, AF048720, AF048721, AJ222971, AF048724, U69961, U70132, AB006321, AF048723, U80010, AF039832, U80036, AJ222972, U80011, AF076640, AF077092, AF155206, AF217647, AF063935, AB010386, I82448, A84916, AJ132110, A62300, A62298, AR016808, AR018138, AF058696, I82446, U37689, X64588, AR008278, AB028859, I81198, AB019242, A47134, A82595, AR060385, I14842, AB002449, I79511, AR054175, AR008277, AR008281</p> |
| 1285 | HSPBY20 | 875942 | <p>Preferably excluded from the present invention are one or more</p> <p>AW237287, AW363468, AW363480, AW363473, AW363477, AA121686, AW363466, W72522, AI828975,</p> |

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| 1286 | HE2DS24 | 875946 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3197 of SEQ ID NO:1285, b is an integer of 15 to 3211, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1285, and where b is greater than or equal to a + 14.</p> | <p>AI559999, AI804778, AI674566, AI129403, AA533052, AA527974, AI363501, AA143578, W51847, AW300353, AI831152, AA143579, AI741918, AA039996, W51848, W76081, AW117710, AI168002, AA311143, AA441903, N31268, AI884441, AI632722, AI869640, AA811715, AA505929, AW304874, AA847969, N59481, AA559159, AI695051, AA112361, AA558272, AA000001, AI720005, AI039160, AA039941, AI342286, AI497588, T06998, AA631737, AI571810, W80521, AA861746, AI985608, W80522, AI869233, AA902266, AA358008, AI301584, AA988922, AA706417, AW363471, AI460367, W81055, Z44588, AI276195, AA995745, AA370238, AI471184, AI358624, W93499, AA731776, AA225687, Z25022, R93719, Z33579, R93772, N22881, AA813411, R96999, T34389, AA442009, AW363465, AI707586, AA992785, AA329788, AW363476, T63311, C03451, AA527798, AW293240, AW363475, AW196088, T59616, C00776, T59728, Z28725, R96942, AI401471, AI985365, AA090503, H89254, AA091375, N76452, AA084311, AI121286, AA416534, AA635126, H25949, AA247310, N72061, N76425, T10848, AI868319, U95742, AC007216, AC007226</p> |
| 1287 | HSLFO26 | 875950 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 776 of SEQ ID NO:1286, b is an integer of 15 to 790, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1286, and where b is greater than or equal to a + 14.</p> | <p>AI436213, AI376989, AW272461, W67633, AW103191, AI460071, AI339966, AA309909, AI382859, AL035070</p> |
| 1287 | HSLFO26 | 875950 | Preferably excluded from the | AA353689 |

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| 1288 | HCQAH22 | 875951 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 377 of SEQ ID NO:1287, b is an integer of 15 to 391, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1287, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 378 of SEQ ID NO:1288, b is an integer of 15 to 392, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1288, and where b is greater than or equal to a + 14.</p> | <p>F12035, H11818, T65663, H07096, H06077, F12478, R17257, T74513</p> |
| 1289 | HHEYK87 | 875952 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 115 of SEQ ID NO:1289, b is an integer of 15 to 129, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1289, and where b is greater than or equal to a + 14.</p> | |
| 1290 | HCRQN90 | 875954 | Preferably excluded from the | <p>R05444, R05547, H24799, N24201, N28584, N31653,</p> |

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| 1291 | HCQDT05 | 875955 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 430 of SEQ ID NO:1290, b is an integer of 15 to 444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1290, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 659 of SEQ ID NO:1291, b is an integer of 15 to 673, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1291, and where b is greater than or equal to a + 14.</p> | <p>N34107, AA193424, AA251321, AA251589, AA278204, AA287679, AA286744, AA494343, AA732455, AA740478, AA812121, AA814394, AA830316, AA877099, C04694, AA397959, AA435871, AA437027, AA442854, AA449086, AA449518, AA431365, AA732757, AA757686, AA759030, AI074034, AI082779, Z25143, Z28808, AI341874, AI141529, AI143886, AI149785, AI290312</p> |
| 1292 | HACBI44 | 875967 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 358 of SEQ ID NO:1292, b is an integer of 15 to 372, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1292, and where b is greater than or equal to a + 14.</p> | <p>AI681892, AA861619, AI693051, AA009602, R67318, AC004908, AC000386</p> |
| 1293 | HHEWX30 | 875971 | <p>Preferably excluded from the</p> | <p>AW177053, T85527, H66913, H53191, N78201,</p> |

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| 1294 | HCQCL24 | 875972 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1190 of SEQ ID NO:1293, b is an integer of 15 to 1204, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1293, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 460 of SEQ ID NO:1294, b is an integer of 15 to 474, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1294, and where b is greater than or equal to a + 14.</p> | AW377523, AA234861, H51769, AA007382, AI783820 |
| 1295 | HE8NK61 | 875974 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 436 of SEQ ID NO:1295, b is an integer of 15 to 450, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1295, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 436 of SEQ ID NO:1295, b is an integer of 15 to 450, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1295, and where b is greater than or equal to a + 14.</p> | H81368, R11282, T98326, AC006077 |
| 1296 | HWLCA48 | 875976 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 436 of SEQ ID NO:1295, b is an integer of 15 to 450, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1295, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 436 of SEQ ID NO:1295, b is an integer of 15 to 450, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1295, and where b is greater than or equal to a + 14.</p> | AC005007 |
| | | | | AI005521, AI810382, AI659500, W92352, AI933284, |

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| | | | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1296, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1296, and where b is greater than or equal to a + 14.</p> | AA812596, AI400309, AW197587, AW192260, AI949417, W92316, AA722528, AI499349, AW300547, AW025996, AW172287, AW117376, AA194825, AI148427, AW292395, AA903846, AI018563, AI493973, AI082262, AI344368, AI765916, AA879432, AA961861, AW236495, AA912973, AI597682, AA459703, AI207327, N30720, AA936502, AI709271, AA877895, AA687402, AI420803, AA687115, AA504275, AI749696, AI472028, AA149279, AI383228, AI242850, N79884, AA149265, AI352279, AI363025, AA576875, AA809139, AI246634, AI439699, AI143444, AI918503, AI768616, AI970288, AA411377, N62978, AW351635, AW177011, AW167933, AI380451, AA836154, AW274680, W39570, AW170172, AA689438, AA406308, AA535797, AI283454, N30079, AL119324, AL119457, AW392670, Z99396, AW372827, AL119363, AW384394, AL119319, AL042544, AW363220, AL119497, AL119391, AL119484, AL119522, U46351, AL119355, AL119496, AL119443, AL119418, AL119399, AL119341, AL119483, U46341, AL119396, U46349, U46350, U46347, AL037205, AL119335, AL119401, AL119439, AL119444, AL134531, AL134525, AL134536, U46346, AI142131, AL042614, AL042965, AL042984, AL134538, AL043019, AL042975, AL134902, AI142132, AL043029, U46345, AL039851, AL042542, AL042450, AL042551, AL043003, AL119464, AF126743, AR066494, AR060234, A81671, AB026436, AR054110, AR069079 |
| 1297 | HUCOR05 | 875982 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 613 of SEQ ID NO:1297, b is an integer of</p> | AI888086, AI962990, AI983535, AI597764, W60854, AI368836, AI808836, R49083, D60229, AI039175, R69837, R69838, AI277306, AA489467, AI498566, H28639, AA165333, C14571, AA094632, AA918475, AL096773 |

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| 1298 | HWAIC77 | 875983 | <p>15 to 627, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1297, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 367 of SEQ ID NO:1298, b is an integer of 15 to 381, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1298, and where b is greater than or equal to a + 14.</p> | AI472111, AI288509, AA453203, AA454170 | |
| 1299 | HWMBG8 0 | 875984 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 495 of SEQ ID NO:1299, b is an integer of 15 to 509, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1299, and where b is greater than or equal to a + 14.</p> | | |
| 1300 | HTXFU22 | 875989 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 438 of SEQ ID NO:1300, b is an integer of</p> | AA226318, AI734064, AI732089 | |

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| 1301 | HCQDO49 | 875990 | <p>15 to 452, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1300, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 525 of SEQ ID NO:1301, b is an integer of 15 to 539, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1301, and where b is greater than or equal to a + 14.</p> | AI491942 | |
| 1302 | HDPOZ22 | 875991 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 418 of SEQ ID NO:1302, b is an integer of 15 to 432, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1302, and where b is greater than or equal to a + 14.</p> | Z43549, N39489, AC004789, AC005222 | |
| 1303 | HWLQA90 | 875994 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1303, b is an integer of</p> | AA486226, AI590941, AA157504, AC004503, AC005006, AC005962 | |

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|------|---------|--------|--|---|
| 1304 | HATBS19 | 875995 | <p>15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1303, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 801 of SEQ ID NO:1304, b is an integer of 15 to 815, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1304, and where b is greater than or equal to a + 14.</p> | <p>AA129774, N45232, AA478926, AW173347, AW390310, AI803946, AI471990, AI480219, AA928879, AA478806, AI802226, AI683194, AI356830, AI400467, AI421708, AW341836, AW136439, AI928546, AI937609, AI559183, AW316851, AI457809, AI420660, AA886493, AI915161, AW339403, D12201</p> |
| 1305 | HHSF11 | 875996 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1305, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1305, and where b is greater than or equal to a + 14.</p> | <p>AI017418, AI817785, AA455094, AC005799</p> |
| 1306 | HCYBA19 | 875998 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 907 of SEQ ID NO:1306, b is an integer of</p> | <p>AA308922, T84214, Z43709, R05654</p> |

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| 1307 | HAPQW21 | 875999 | <p>15 to 921, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1306, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 788 of SEQ ID NO:1307, b is an integer of 15 to 802, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1307, and where b is greater than or equal to a + 14.</p> | <p>AI816929, AA743053, AA767907, AI494624, AA932213, AI830745, AA837394, AI962187, AI963297, AI962646, AI499897, AW207508, AA257988, AI889250, H62091, AI873713, AI652649, AI652588, AA412301, AA215370, AW245619, AI824020, AI208488, AI933125, AA912107, AI827787, AA470031, AW080557, AW367956, AA806884, AI611226</p> |
| 1308 | HCRND16 | 876001 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 365 of SEQ ID NO:1308, b is an integer of 15 to 379, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1308, and where b is greater than or equal to a + 14.</p> | <p>R86881, AA344692</p> |
| 1309 | HSPME68 | 876006 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1430 of SEQ ID NO:1309, b is an integer of</p> | <p>AI831502, AW155590, R80329, AI453275, H03544, AI867183, AA598849, H44114, AI864755, H92020, AA483703, H03459, AI973227, R28250, R80223, R27989, H92021, R93832, Z38639, AI807377, AW103726, AI343038, AW148303, AW302662, AI336506, AI254251, AW303238, AW268290, AI318301, AI363741, AI344795, AW411235,</p> |

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| 1310 | HCRMC21 | 876007 | <p>15 to 1444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1309, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 339 of SEQ ID NO:1310, b is an integer of 15 to 353, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1310, and where b is greater than or equal to a + 14.</p> | <p>AW148382, AW161098, AI206899, AW118417, AA644481, Y11254, A91160, A76335, AL122098, AR068753, AR068751</p> |
| 1311 | HLWCB78 | 876008 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 913 of SEQ ID NO:1311, b is an integer of 15 to 927, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1311, and where b is greater than or equal to a + 14.</p> | <p>H39742, R28582, AA384999, R58373</p> |
| 1312 | HWLME80 | 876011 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 490 of SEQ ID NO:1312, b is an integer of</p> | |

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| 1313 | HKTAB46 | 876012 | <p>15 to 504, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1312, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 850 of SEQ ID NO:1313, b is an integer of 15 to 864, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1313, and where b is greater than or equal to a + 14.</p> | <p>AI768516, AI082809, AI804454, AW173368, AA905101, AI080483, N38942, N29489, AI500550, AA994475, AI001079, AA707368, AA593145, AA569473, AW386118, N63226, AA614464, N46512, AW272021, AI828244, AL133605</p> |
| 1314 | H2CB120 | 876013 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 855 of SEQ ID NO:1314, b is an integer of 15 to 869, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1314, and where b is greater than or equal to a + 14.</p> | <p>W02575, AA304931, D58283, D80188, D51423, D57483, D59859, D80043, D80166, D80253, D81030, D59619, D80210, D51799, D80240, C14331, D80212, D80022, D80195, D80219, D80391, D59275, D50979, D59787, D80227, D59502, D80366, D59889, C14389, D80164, D80196, D59927, D59610, D80269, D80024, D80038, D59467, D80193, D50995, AA305409, C15076, D80378, C14429, D80241, C75259, T03269, D80045, D51060, C14014, AW178893, AW178775, D80134, D51022, AW179328, AW177440, D51250, AA305578, D81026, AW378532, D80268, AW352158, D80522, F13647, D80949, D80248, D52291, D80251, AW369651, D59695, D58253, D51079, D80168, AW178762, D81111, AA514188, AW177501, AW352117, AW177511, C14227, Z21582, D80133, AA514186, D80064, C14298, AW360811, AI905856, C14407, AW378540, AW377671, AW375405, AW360844, AW377672, AW366296, D80132, AW360817, AW375406, AW177505, AW378534, AW352171, AW179332,</p> |

AW179023, AW377676, AW178905, AW178754,
AW179024, D51097, AA285331, D80439, AW360834,
AW360841, AW352172, AI557751, AW179020, D80302,
AW352170, AW178909, AW177456, AW178906,
AW177731, D80247, AW178907, AW179019, AW179018,
AW178971, AW179017, AW179004, AW179329,
AW352174, AW179012, AW178980, AW177733,
AW378528, AW178908, AW179220, T11417, D51759,
D80157, AW179009, AW178914, AW378543, AW378525,
D51103, D80014, AW367967, AW178983, T03116,
AW352120, AW177728, AW178774, AW178781,
AW178911, AW352163, D58246, AW378539, T48593,
D58101, D59503, C06015, AI557774, D45260,
D59627, D80258, AA809122, D50981, H67854,
AI525917, T02974, AW378533, AW367950, AW178986,
AI525923, C03092, AI525235, H67866, AW177734,
D51213, C14957, D59474, AI525912, C14344,
AA514184, D59317, D51221, Z30160, AW179013,
D45273, C14973, AI525920, AI525227, AI535686,
AI525242, T03048, AW178759, C14046, D59551,
C16955, AI535961, H67858, AI525215, AW378542,
AI525925, Z33452, AI525237, A62298, AJ132110,
A84916, A62300, AR018138, AR008278, X67155,
Y17188, D26022, A25909, A67220, D89785, A78862,
D34614, D88547, AF058696, X82626, AB028859,
AR025207, Y12724, AB012117, A82595, X68127,
AR016808, A94995, A85396, AR066482, AB002449,
A44171, AR008443, AR060385, A85477, I19525,
A86792, U87250, X93549, I50126, I50132, I50128,
I50133, AR066488, AR016514, AR060138, A45456,
A26615, AR052274, Y09669, A43192, A43190,
AR038669, AR066487, AR066490, A30438, I18367,
D88507, I14842, AR054175, AF135125, AR008277,
AR008281, D50010, Y17187, A63261, AR008408,
AR062872, A70867, AR016691, AR016690, U46128,
AB033111, D13509, I79511, A64136, A68321,

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| 1315 | HWBDR92 | 876018 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1818 of SEQ ID NO:1315, b is an integer of 15 to 1832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1315, and where b is greater than or equal to a + 14.</p> | <p>AR060133, AR064240, U87247, AB023656, AF123263, X93535, AR008382</p> <p>AW024416, AW238938, AW361813, AI421202, AI434791, AI309982, AI769534, AI378930, AI393963, AI492647, AA953114, AI380180, AI769524, AI420285, AI805717, AI077552, AI678958, N26060, N40424, AI190662, AI613423, AA976041, AA581509, AA776498, AI268866, AI291641, AI289100, AA186514, AI208759, AA278467, AA665834, AI341899, AA315414, W07679, H23150, AI671697, AA315695, AI961637, AA989174, AI613432, AA235080, AI127470, AA603717, R80986, H09069, AI085843, AA993834, AA235209, AI160297, N80556, AA421270, AA187209, AI205566, AW277106, H59979, W39334, AA045407, T75129, AA503424, W52459, F10405, AA421317, AA723427, AW189559, W52458, AA045301, AA256210, AA503121, H09070, AI862840, AA921301, AI819232, AA303086, H81373, H23151, W15379, AI003129, H57853, H80453, AA587453, F12797, AA811971, AA379841, R80786, AA737085, AW029021, R38552, T48991, AA565741, AA503131, AA256353, F17470, AI424220, AI431521, T48990, AI381715, AL038986, R20931, AI424511, AW361749, AA835425, AI569722, AW337583, AA558437, AA373318, AW269615, D20475, AW016289, AW014562, AI795986, AI066579, AA057708, T25034, R54035, AA626100, AI801600, T84464, AA745560, AA745431, AA076616, AF151801, AL050215, AC004983, D89937, AC004967</p> |
| 1316 | HWMBI92 | 876019 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 642 of SEQ ID NO:1316, b is an integer of</p> | |

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| 1317 | HWMFU50 | 876021 | <p>15 to 656, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1316, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2506 of SEQ ID NO:1317, b is an integer of 15 to 2520, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1317, and where b is greater than or equal to a + 14.</p> | <p>AI110856, AA143745, AI693023, AA151633, AA761698, AL121337, AI298472, AI018193, AW372477, AA491188, AW131073, AA505133, AA599482, AI143548, AA430400, AA151685, AA825984, AW366355, AI383751, AA613495, AA252073, AI076636, H81681, H66674, AA779949, AA885895, AA298085, AI383750, W05653, AA148124, AI074739, AI687281, H11552, AW451697, AI150645, AA041459, AI208735, H81680, AA620485, AA112748, AA976412, H00961, T31804, AA357205, AA041512, AA678631, R67964, N76147, AI468649, H11443, H00962, AI383531, Z45863, AA360936, F04726, AW074481, AA872316, AI024087, AA309629, R66877, AI702342, AA653426, AA732728, AA252105, AA490992, AA770121, N87414, AA356722, AW027385, AI434752, R58494, AI275780, AA090352, AI370532, AW390733, AA879149, AI923615, Z21234, Z21233, AF090915</p> |
| 1318 | HCQCM19 | 876022 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 568 of SEQ ID NO:1318, b is an integer of 15 to 582, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1318, and where b is greater than or equal to a + 14.</p> | <p>AA715374, Z25205, AI202201</p> |
| 1319 | HBWCF70 | 876023 | <p>Preferably excluded from the</p> | <p>AI219865, AW294721, AA431535, AW451194,</p> |

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| 1320 | HCRON30 | 876024 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1085 of SEQ ID NO:1319, b is an integer of 15 to 1099, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1319, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 708 of SEQ ID NO:1320, b is an integer of 15 to 722, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1320, and where b is greater than or equal to a + 14.</p> | <p>AA307304, AA917679, N72093, H19317, AA868722, AA313570, AW270831, AW242483, AA306705, AA584601, AA431211, M97501, X64838</p> |
| 1321 | HCKNAK16 | 876025 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 241 of SEQ ID NO:1321, b is an integer of 15 to 255, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1321, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 241 of SEQ ID NO:1321, b is an integer of 15 to 255, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1321, and where b is greater than or equal to a + 14.</p> | AA327228 |
| 1322 | HCQDGI9 | 876026 | Preferably excluded from the | AI635818, AC007630 |

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| 1323 | HCQAD16 | 876027 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 232 of SEQ ID NO:1322, b is an integer of 15 to 246, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1322, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 325 of SEQ ID NO:1323, b is an integer of 15 to 339, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1323, and where b is greater than or equal to a + 14.</p> | AA252134 | |
| 1324 | HCQAS16 | 876028 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:1324, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1324, and where b is greater than or equal to a + 14.</p> | | |
| 1325 | HGBBG01 | 876029 | Preferably excluded from the | AA297618, AA188451, F06972, F06481, X83107, | |

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| | | | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 417 of SEQ ID NO:1325, b is an integer of 15 to 431, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1325, and where b is greater than or equal to a + 14.</p> | <p>AF045459, AC003669, AF012104, U88091, U08341, AR042423, AR044115</p> |
| 1326 | HILBF13 | 876030 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 410 of SEQ ID NO:1326, b is an integer of 15 to 424, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1326, and where b is greater than or equal to a + 14.</p> | <p>AA313226, AA352231, AA729004, H63236, AI174489, AA493814, AA847341, AA502774, AI884404, R95751, AA832104, AA126969, AA368329, N21434, AI567676, AI002863, AA991640, AA602715, AA368659, AI003620, AA219166, AA659011, AA420424, AA749196, AA309287, AI124558, AA143703, H79323, AI802268, AA831913, AA730795, AA598579, AA832108, AI791227, AA365628, AI196994, AA598605, AA595508, AI732911, N27340, N53783, AA455202, AI734193, AA482682, AA525156, AA218874, AA598497, AA643768, AW083966, AA351893, AA668421, AA581317, N55076, AI376687, AW069273, AA825954, AA229370, AI538404, M77964, AA315052, AI049999, AP000553, Z68756, AB023049, AP000512, AL079342, AC005305, AF075069, AD000092, AL008731, AC007993, AL008628, AL035587, AC005089, AC008372, AL133163, AC005913, U95742, AC007537, AL031721, AC009516, AL035420, AC003071, AC000052, AL133246, AF053356, AC005722, AB003151, AC006930, AP000099, AC000025, AC007193, AC006273, AC005527, AB023051, AC004099, AP000688, AP000036, AC005747, AC006511, AC004150, U78027, AL034553, AC003047, AC004997, AC004475, AC005519, AL009181, AP000046, AP000114,</p> |

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| | | | AL021393, AL049650, AC007687, AC005529, AC005406, AC003102, AC005585, X74984, AC005828, AC002369, AL022315, AC005907, U95739, AC004000, U91327, AF076450, AJ246003, AL035086, Z83826, AL109613, AL121655, D16583, AC005725, AL030995, AF196779, AC005535, AL020997, AL035400, AC004650, AL096712, U89337, AC008045, AP000344, AL117258, AC005099, AC007314, AC003098, AP000503, AL022326, AL020993, AC004668, AC004254, AC006581, AC005837, AC007277, AL021806, Z15025, AL049829, AC005932, AL049699, AL122023, AP000302, AL080243, AC005516, AD000833, AP000077, U91326, Z73417, AC002395, AL034379, AL132712, AC005859, Z95116, AF003528, AP000243, AL049643, AF134726, AP000098, AP000203, AC005412, AC002991, AL035445, AC005041, AC005971, AC004812, Z84474, AF217403, AC003046, AC005003, Z82198, AL008734, AC004531, AF205588, AC004756, AL034421, AC005776, AC004073, U93305, AC002310, U85195, Z98946, AF111169, AF196972, AL136168, U63721, AC005768, AC004678, AC005253, AC007001, AP000280, AC007207, AC005759, AL031708, AC002996, AC004131, AL031058, AL109801, AC005694, AC006121, L47234, AE000658, AC001551, AC006080, AC006057, AC004072, AL133321, AC004227, AC006006, AC007051, AP000555, AC007666, AC005755, AC005993, AP000107, AP000039, AC006950, AC004263, U51561, AC007390, AC005924, AC007014, AC007546, AC003109, U62317, Z98949, AB020867, AC004808, AC004465, AF129756, AC004682, AC004703 AA280322, AC006153 |
| 1327 | HCQDI18 | 876034 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by |

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| 1328 | HEMGF10 | 876039 | the general formula of a-b, where a is any integer between 1 to 301 of SEQ ID NO:1327, b is an integer of 15 to 315, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1327, and where b is greater than or equal to a + 14. | AL045532, AI672339, AI916546, AI674054, AA922064, AW022969, AI539447, AI338659, AI038295, AI809635, AI569951, AI015944, AA236487, AA917051, W72067, AI522144, AW340476, AW001031, AI042560, AW272351, AW291220, AA496094, AI808121, AA453459, AA216783, N90068, W38469, AA002033, AA482997, AA234484, F12296, T66274, Z24870, W76350, F09922, T95502, AI128578, T66187, T95501, Z28614, AA453960, R16316, T58251, T88786, AI272000, AA001829, AI654859, AI624582, AI334322, T58298, AI376307, U85995, U85994, AF095771, U87408, AF095770, U85997, AC006195, AF095769 AA425162, AA454628 |
| 1329 | HCQDGI0 | 876044 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1329, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1329, and where b is greater than or equal to a + 14. | |
| 1330 | H2CBS17 | 876045 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA313483, AI092587, W07818, N79448, AA773593, R53234, R94785, R24805, H10024, AA229847, R94705, AA430523, AI435476, AW001866, AI565825, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1337 of SEQ ID NO:1330, b is an integer of 15 to 1351, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1330, and where b is greater than or equal to a + 14. | AA430608, N71537, AI760594, AI911011, AI732273, AI440283, AI131012, AA582791, AI038591, N52904, AI144119, AA643763, AI561115, N78511, AA011130, AI668849, AI676028, AI371354, AA009702, N73670, AW369840, R53598, AA584483, AL044698, R48261, W63583, AA493983, AA968449, AC005332, AC004876, AC005771, AC004616, AP000038, AC005184, AL139165, AC004098, J03764, AF019664, AC004874, AL033525, AC009498, AP000280, AC005704, AL035427, AP000107, AC005060, AC005922, AL035633, AC007628, AC005011, AL078638, AF042484, AC007676, AC008071, AC007198, AC000120, AP000140, Z93931, AL031655, AP000088, AL031123, AC006996, Z75957, AL034555, AC004055, AC006354, AP000269, AP000103, AF001548, AF049895, AL132987, AL022068, AB013139, AL034425, AC002546, AF069291, AC004929, AC007262, AC002115, AL020989, AL031055, AL021877, AC004703, AC004664, AL021977, AC002480, AL035691, AL035072, AC004100, AC006370, AC006013, AP000033, AC005562, AC007312, AL031737, AC005406, AC005919, Z96074, U95743 |
| 1331 | HETJT76 | 876048 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1217 of SEQ ID NO:1331, b is an integer of 15 to 1231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1331, and where b is greater than or equal to a + 14. | AI799695, AI343330, AI498160, AI885048, AW372347, AW372353, AI361693, AW372342, AI290222, AA833641, H23783, W73966, AI077502, AW242637, AA514487, AA975211, AI569053, W79847, AI869527, AA832078, N55405, AA126154, AA313196, AI560671, H49102, AW236097, AI742230, AA126132, H49333, AI732692, AW172617, AA199707, AI280378, W79860, W74521, AA279226, AI650312, AC005352, AL117338, AF088062 |
| 1332 | HMVBD68 | 876052 | Preferably excluded from the | AW0833378, AA057509, AI679190, AA574451, |

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| | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1266 of SEQ ID NO:1332, b is an integer of 15 to 1280, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1332, and where b is greater than or equal to a + 14. | AA599718, AA054285, AA706513, AI707934, AW023524, AA199863, R66161, AA862725, R84843, R85715, H86142, AL038837, H86028, AL039074, AL039564, AL039108, AL039156, AL039085, AL039659, AL039625, AL039648, AL039678, AL039150, AA059178, AL037051, AL036725, AL039629, H00069, AL039109, AL038531, AL039128, AL040992, AL045337, AL037726, AL042909, AL039423, AA013394, AL039410, AL134524, AL039538, AL044530, AL045353, AL036973, AL044407, AL038821, AL039386, AL036418, AL039924, AL037526, AL043441, AL043445, AL037082, AL036196, AL037639, AL039566, H39007, Z99396, AL043422, AL039509, T24119, AL038851, T24112, AL038025, AL045341, AL036767, AI535983, T23947, D51250, AL036117, AL045794, AW013814, AL043423, AL036924, AL037615, AW452756, AL036190, AW451070, AL036238, AL037085, AI142134, AL036679, AI535783, AL036733, T23659, AL038983, AL036858, AL134110, AL038447, AL037021, R47228, AL036998, AL045328, D80253, AL037727, AL037054, AL036191, AL036964, H00072, AL045327, AL047163, AL042898, AL036268, T02921, D59275, AL036765, AL037077, AA631969, AL039643, AL039432, AL119483, AL049018, T48598, D80219, AL038838, D59787, AL037343, AL037295, AL044125, AL037436, AA514190, AL037178, AL037335, AL037323, AW080777, AL119484, AL041347, AL037027, AW022897, AL038651, AI547295, AL036999, AW450376, AL038761, AL037443, AI348766, AL038532, Z25783, AL036719, AW103927, AL037094, T11051, AL042850, AA478355, AI700109, AL038822, AI267269, AL037435, AA548890, AA702729, AI334443, AL040193, AA191659, AA410788, AL119324, AA577824, AA630672, AA526787, AI056177, D29033, T28100, AA493975, |
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| AA579179, AI223604, AL040061, AL044162, AL047012, AA483929, Z25782, AA834707, AW148507, AA456578, AL046549, T07039, H66681, AI254913, AL041238, AL043496, AL043923, X95073, AF118808, DI4548, AR066494, AR017907, Z96142, AR038286, X68127, I92483, AR062871, I03665, I03664, AI5078, E00523, A67220, X73004, A95051, A58522, AR036905, A92133, A97211, A58521, A02712, A85477, A85396, AJ244003, AJ244004, AR062872, AJ244005, I06859, AR062873, AI8050, A84772, A35536, A35537, A23334, A75888, I70384, I18371, A20702, A60111, A23633, AR043601, AR025207, AR007512, AI8053, A84776, A84773, A84775, A02135, A02136, A04663, A04664, A84774, A43189, I66495, AR031374, A43188, AR067731, A38214, A49700, AR031375, A20700, I66494, A64081, AR008430, AR067732, A44171, I56772, I95540, AR018924, I60241, I60242, A51047, A63064, AR018923, A48774, A98767, A63072, A48775, AR068507, I66498, I66497, I66496, AR068506, I00074, I66486, I66487, I19516, A58524, AR015960, A91750, AR064707, A93963, A93964, AR000007, AR015961, I63120, A95052, AR020969, A25909, AR043602, AR043603, A95117, A58523, A23998, AF156296, AR037157, AI1245, V00745, A02710, E12615, AR035193, A86792, E13740, AR054109, A07700, AR000006, A13392, A13393, AR036903, D28584, U87250, AR027100, I03343, I28266, AF156294, A82653, AR022240, Y11923, A81878, I21869, I13349, A24783, A24782, E14304, AJ230933, A70040, E16636, I19517, I01992, A27396, D88984, A76773, A22413, I08051, Y11926, A49045, A93016, E16678, I25027, I26929, I44515, I26928, I26930, I26927, A58525, I25041, I68636, E03165, E16590, I00077, S70644, I49890, AF096810, AF156303, AR064706, I44516, AF019720, | | | | |
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| 1333 | HWLQD17 | 876056 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 114 of SEQ ID NO:1333, b is an integer of 15 to 128, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1333, and where b is greater than or equal to a + 14.</p> | <p>A60957, Y11449, A51384, X58217, AR038762, A92636, I84553, A91754, I84554, E02221, E01614, E13364, I00079, A60968, A18722, AF156304, D34614, A58526, A91753, AR023813, AB012117, A10361, AR035975, AR035977, AR035978, AR035974, AR035976, AF130655, AR066482, M32676, A60985, A60990, Z79475, A60987, Y17188, AC004935, X15418, S65373, AC004111, AJ238010, AC002431, AC004851, AC010722, AC006582, AC004797, AC005373, AP000512, AL121603, AL049430, AC005291, AC007191, U50871, AC004213, AL049631, AC002059, AC002480, U95739, AP000132, AP000210, U91318, AC005332, AL034395, AL031281, AC009784, AP001172, Z95116, E04616, AL035413, M21251, AC006999, AC006211, AC004466, AL080317, AC002395, AC005914, AC000026</p> |
| 1334 | HCRME16 | 876057 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 424 of SEQ ID NO:1334, b is an integer of 15 to 438, where both a and b</p> | <p>AA826803</p> |

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| 1335 | HCQC116 | 876059 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1334, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 336 of SEQ ID NO:1335, b is an integer of 15 to 350, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1335, and where b is greater than or equal to a + 14.</p> | | |
| 1336 | HKLAB15 | 876062 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:1336, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1336, and where b is greater than or equal to a + 14.</p> | T70859, AI991425, T96900, AL137658, AC005343 | |
| 1337 | HCYBH57 | 876065 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 734 of SEQ ID NO:1337, b is an integer of 15 to 748, where both a and b</p> | AA306889, AA305320, AA508639, N49791, H90350, AW016011, AW377205 | |

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| 1338 | HCQDM08 | 876070 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1337, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 98 of SEQ ID NO:1338, b is an integer of 15 to 112, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1338, and where b is greater than or equal to a + 14.</p> | <p>AW384125, AA496504, AI610340, AA248671, AA130789, AA180915, AA478370, AI733781, Z98485, AI796704, AL044742, AL048069, AA626025, AL048572, AL047765, AL039283, AI557485, AL048501, AI546967, AI546957, AA516161, AI924321, AA887171, AI132973, AA420684, AI133122, AA654779, AA654118, AA194612, AA532618, AI132978, AI133640, AI114783, AI064749, AI064986, AI133242, AI065142, AI133340, AI114709, AI110634, AI065125, AI065095, AI133581, AI133663, AI110590, AI133479, AI065101, AI114457, AI133604, AI207634, AI525970, AI133582, AI114582, AI174912, AI114665, AI133512, AA081070, AA578984, AI557069, C17847, AI174878, C18490, AI133723, AI133615, AI133526, AA089877, AI525469, AA225945, AI114594, AI557701, AA112129, AA213849, AA410915, AA195856, AA182920, AA165635, AI208489, AA662114, AA244064, AA088806, AA228826, AA652493, AA622823, AI979027, AL049144, AA225205, AI244851, AI827423, AA132431, AA410765, AA176509, AA089690, AA828070, AA640731, AA641599, AI749067, AA569303, AA502464, AW385506, AA663702, AA229378, AA876457, AA467990, AA084304, AA229146, AA837558, AW371147, C18623, AA858353, AA188095, AA641178, AA293576, AA082601, AW375786, AA468053, AA092886, AA427549, AA129770, AA480482, AA658436, AA502853, AA394267, AA640898, AI132974, AA193149, AA091406, AI749996, AA095793, AA226058, AI535866, AI940772,</p> |
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| 1339 | HSSEA17 | 876078 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 608 of SEQ ID NO:1339, b is an integer of 15 to 622, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1339, and where b is greater than or equal to a + 14.</p> | AA527220, AA194743, AA399036, AA091372, AA192775, AA089626, AI525481, AI524836, C14151, H41888, Z56605, X76676, AR028448, X62996, D38112, V00662, J01415, X93334, Z59182, D38114, D38113, X93335, D38116, Z58833 Z56928, Z56929, Z64722, Z54751 |
| 1340 | HCQDG14 | 876079 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 610 of SEQ ID NO:1340, b is an integer of 15 to 624, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1340, and where b is greater than or equal to a + 14.</p> | AW235671, AI740682, AA770521, AA428282, AI522043, AI276457, AI984187, AI382430, D79844, D62692, AA741145 |
| 1341 | HCQQAQ14 | 876081 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 948 of SEQ ID NO:1341, b is an integer of</p> | N52898, N40697, AI221215, AI961502, N27935, AI538394, AW366714, AA557734, AI916398 |

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| 1342 | HCQBN16 | 876082 | <p>15 to 962, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1341, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 248 of SEQ ID NO:1342, b is an integer of 15 to 262, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1342, and where b is greater than or equal to a + 14.</p> | | |
| 1343 | HWLQE13 | 876086 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 819 of SEQ ID NO:1343, b is an integer of 15 to 833, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1343, and where b is greater than or equal to a + 14.</p> | <p>AA284114, AA878237, AI440478, AI183980, AI830413, AI693370, AW167651, AI284239, AI087052, AA025164, AI075952, AI276058, AA781007, AI333050, N69861, N99037, W47304, AA626017, W47171, AI672591, AA885176, AA644449, AI222118, AI080182, AA055097, AI350932, AA526741, AA524562, AA719566, AA055070, AA397901, AA890555</p> | |
| 1344 | HWMB501 | 876088 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 432 of SEQ ID NO:1344, b is an integer of</p> | <p>AI023441, AI242040, AA847082, T50456, AA331171, AA650226</p> | |

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| 1345 | HKLAA70 | 876089 | <p>15 to 446, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1344, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:1345, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1345, and where b is greater than or equal to a + 14.</p> | AA259061, Z56085 | |
| 1346 | HWLCK07 | 876090 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 412 of SEQ ID NO:1346, b is an integer of 15 to 426, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1346, and where b is greater than or equal to a + 14.</p> | AW083180, AI817883, AW138123, AI832211, AF009961, AF127026, AF105424 | |
| 1347 | HISAV29 | 876091 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1347, b is an integer of</p> | R98881, Z93242, AF160728 | |

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| 1348 | HWLXE78 | 876093 | <p>15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1347, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 568 of SEQ ID NO:1348, b is an integer of 15 to 582, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1348, and where b is greater than or equal to a + 14.</p> | AA196426, AI796138, AA308423, AI818489 |
| 1349 | HSLHI12 | 876094 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 265 of SEQ ID NO:1349, b is an integer of 15 to 279, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1349, and where b is greater than or equal to a + 14.</p> | |
| 1350 | HCQCX03 | 876095 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 513 of SEQ ID NO:1350, b is an integer of</p> | W89052, AL133355 |

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| 1351 | HCQCR12 | 876097 | <p>15 to 527, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1350, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 622 of SEQ ID NO:1351, b is an integer of 15 to 636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1351, and where b is greater than or equal to a + 14.</p> | <p>D80188, C14389, D59275, D50979, D80043, D58283, D80391, D59787, D80196, D80227, D80522, D51022, D59859, D80022, C14331, D80166, D80195, D50995, D59467, D51423, D59619, D80210, D51799, D80164, D80240, D80253, D59502, D59927, AA305409, D80269, D81030, D80247, D81026, D80248, D80212, D80366, D80219, AA305578, C15076, D57483, D80038, D59610, C14014, D51060, D59889, D80439, D80193, D80133, D80045, D80024, D80268, AW360811, D80378, AA514186, AA514188, AW177440, D80302, D80251, D80241, T03269, C14429, AW178893, AW377671, AW375405, D51103, AW177731, D80157, AW178983, AW178906, D51759, AW366296, AW179328, AW360844, AW360817, AW179020, C75259, AW375406, T48593, AW378534, AW179332, AW377672, AW179023, AW178905, AW378532, AW178908, AW177501, AW177511, C05695, D59373, AW179024, AW352171, AW179004, AW377676, AW378528, AW352170, AW178907, D80132, AW178762, AW179019, AW360834, C06015, AW177505, D80134, AW176467, D51250, AW360841, D58253, AW367967, AW178775, AW369651, D59653, AW178909, AW177456, AW179329, AW179009, AW178980, AW178914, AW178911, AW177733, AW178754, AW179018, AW352158, D51079, AA809122, D80014, AW352117, D45260, AW367950, AW178774, AW352120, F13647, AW378525, AW179012, H67854, AW177722, AW352163, T11417, C03092, D52291, H67866, AW378543, D59627, AW177728, D80168, D81111, AW177723, AW378540, D51213, AI525923, AI910186, AW178986, C14227, C14973, AW178781, AI905856, C14298, AI535850, T03116,</p> |
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| | | | <p>AI525917, D59317, D58246, D59474, C14407, D80258, AA514184, D59503, D60010, AW378533, D80064, C14344, D51221, C14957, T03048, AW177508, AW177734, AI525920, AI557774, AI525227, AI535686, AW177497, D58101, D59551, C14046, D60214, AI525912, AI525235, AI525237, C16955, AI525215, AI525242, AW378542, AI557751, AA285331, AI525925, AW378539, D45273, C05763, Z33452, T02974, AI525222, Z21582, D51097, AW360855, H67858, C04682, D31458, T02868, D51053, AW179011, AI525928, AI535961, Z30160, C13958, D80314, AI525228, AL033517, AR008278, AB028859, AJ132110, A84916, A62300, A62298, AR018138, AF058696, A82595, AB002449, AR060385, X67155, Y17188, A94995, D26022, Y12724, A25909, I50126, I50132, I50128, I50133, A67220, D89785, A78862, D34614, AR016514, AR066488, A26615, AR052274, AR008443, AR060138, A45456, D88547, A43192, A43190, AR038669, Y09669, X82626, AR066487, AR016808, A30438, D50010, AR054175, I14842, Y17187, AR025207, AR008408, A63261, X64588, AR066490, AR008277, AR008281, AR062872, A70867, I18367, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, X68127, AB012117, AF123263, X72378, AR032065, AR008382</p> |
| 1352 | HPJBW76 | 876098 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 540 of SEQ ID NO:1352, b is an integer of 15 to 554, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> <p>N50949, AA329541, AL120708, AI922673, D63195, H05929, AI679480, AA808536, F03253, T80197, AA125781, AC010169, AC002300, AC004526, AC003010, AC005183, AC007993, AC005258, AC005057, AC002425, AC004878, AP000501, AC005871, AL133163, AC005844, AC005363, AC008149, H82274, AA665465</p> |

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| 1353 | HCQCD81 | 876101 | <p>NO:1352, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 669 of SEQ ID NO:1353, b is an integer of 15 to 683, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1353, and where b is greater than or equal to a + 14.</p> | <p>AA019633, AI290219, AA020897, AI278259, R37194, AA021465, AA018170, AA018313, AA019821, T05511, AI335614</p> |
| 1354 | HCYBF60 | 876104 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID NO:1354, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1354, and where b is greater than or equal to a + 14.</p> | <p>R92525, AA205785, AA173507, AW239243, AA305229, AA305174</p> |
| 1355 | HCQCD09 | 876105 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 419 of SEQ ID NO:1355, b is an integer of 15 to 433, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AA594230</p> |

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| 1356 | HWLVY67 | 876107 | <p>NO:1355, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 618 of SEQ ID NO:1356, b is an integer of 15 to 632, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1356, and where b is greater than or equal to a + 14.</p> | <p>AI088192, AI9923372, AI9923373, AA768994</p> |
| 1357 | HMAKC34 | 876108 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 954 of SEQ ID NO:1357, b is an integer of 15 to 968, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1357, and where b is greater than or equal to a + 14.</p> | <p>AA706348, AI742004, AA612742, AA418899, AA622550, AI688045, W04608, AA639641, N73891, AI306136, C75175, N54079, AA037389, U40583, X70297, AF036903, AF037646, AR055255, U62436, Z23141, L25827, AF087689, Y08420, X93604, AJ245976</p> |
| 1358 | HNGBJ13 | 876109 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 704 of SEQ ID NO:1358, b is an integer of 15 to 718, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | |

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| 1359 | HCF28 | 876117 | <p>NO:1358, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1614 of SEQ ID NO:1359, b is an integer of 15 to 1628, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1359, and where b is greater than or equal to a + 14.</p> | <p>W38691, AW170228, AW204712, AI342478, AA214559, AI301837, AI038938, AA041552, AA975363, AW207768, AI280415, AW241161, AI698575, AA213418, AI192391, AL042921, AL042806</p> |
| 1360 | HCR040 | 876118 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1283 of SEQ ID NO:1360, b is an integer of 15 to 1297, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1360, and where b is greater than or equal to a + 14.</p> | <p>AW340002, AW263252, AI302813, AA806234, AW337920, AI800828, AI685453, AA582942, AW150706, AI566501, AI802925, AI022951, N32077, AA743819, AI160053, AI336188, AA643850, AI091958, AW081284, AA512938, AI687081, AW051587, AA884985, AI738521, AA812286, AI185199, AI761431, AA403009, AA047094, AW130755, AI554205, W60982, AW069431, AA143405, AI086947, AI952635, AA862513, AW025157, AI674916, AI911657, AA457705, AW418700, AW009464, AI684131, AI811699, AI613185, AA043722, AA101008, AI812095, AA143404, AI695151, AA662383, W52268, AA034911, AI445209, AA410666, AI306627, AA152449, AI446572, AI760791, AI093619, AI955408, AI344379, AI739460, AI824906, AW002682, N29782, W52269, AA622005, AA586560, AI798484, W47540, W47587, AI795838, AA861143, AA524329, AA047184, AA506568, AW198106, AA936419, AW021602, AA506574, W45220, T49532, AI357909, AW168465, N25070, AA152448, AA907471, AA301628, AA641358, AA515290, W39753, N45391, H80074, AA431547,</p> |

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| 1361 | HKAAK32 | 876121 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2690 of SEQ ID NO:1361, b is an integer of 15 to 2704, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1361, and where b is greater than or equal to a + 14.</p> | <p>AI934135, AA927158, AA587966, AA372266, N25911, AA535141, AI918662, AW021800, AA613551, AA913677, F35471, AA102493, AI795855, AI718365, AA613011, AA480815, AA903677, AI872650, T49531, H80073, AA973783, AW375945, AA505724, AA514710, AI927674, AI475421, N57203, F24647, AA356940, AI936211, AA043424, AW367127, AA034978, AA593644, AI472573, AW374518, T10460, AA587154, AA431094, AI810621, AA918275, AI336721, AI709355, AI313344, AW004782, AA062797, AA632243, AW059882, N34155, AI557285, Y14551, AP000512, AB023051, AC006165, S81914, AF071596, AF039067, X96438, AF083421, AJ227914, Y16736</p> |
| 1362 | HCQDQ31 | 876123 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 896 of SEQ ID NO:1362, b is an integer of 15 to 910, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AA576961, AI795908, AL120038, AW071648, AI923078, AI650566, N27861, AA020770, AI693672, AI828327, AW408804, AI423373, AW275975, AI656898, AA307019, AL121002, AI359865, AA088194, N73008, AI926866, AI079417, N35619, AI955093, AA258396, AI589460, AA856996, N21585, AI679493, AI824968, AI813785, N40634, AA857168, AI203273, AI079737, AW382798, AA332511, AA806210, AI913138, AI675042, AI868760, AA641278, AI371462, AA995175, H92531, AA113084, R66601, D79238, AW151392, D12298, D56582, AA380178, AW391828, AI352031, Z21892, AI940086, Z50194, U92983, U44088</p> <p>W07169, AA838748, AI985511, N78574, AI200281, AI658709, AW016259</p> |

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| | AL040263, AL040294, AL040329, AL044274, AL040082, AL044272, AL040148, AL040472, AL041730, AL041523, AL043627, AL049018, AL046392, AL040463, AL041374, AL040052, AL043845, AL042135, AL044064, AL038983, AL039316, AL043923, AL043814, AL045671, AL043848, AL041459, AL043570, AL041577, AL044201, AL044258, AL046850, AL046147, AL038532, AL040768, AL037727, AL041140, AL046327, AL046994, AL042712, AL040414, AL040571, AL046097, AL043496, AL046914, AI142134, AL040621, AL041186, AL039744, AL041086, AL042096, AL040444, AL080031, AL041955, AL041168, AL041159, AL041233, AL041246, AL079878, AL041277, AL041163, AL040193, AL040370, AL041278, AL037436, AL045994, AL040155, AL045784, AL040149, AL039360, AL037435, AL038761, AL045989, AL040075, AL039338, AL037443, AL079852, AL037335, AL046099, AL037295, AL047131, AL040238, AL037341, AI546855, T23985, Z30131, AI547039, AL045211, AL045340, AI546899, AI541509, AA585439, AL041347, AL043444, T23957, AI541510, AI541317, AI525306, T23888, AI541365, AI540967, AI525556, AI547006, AI541514, AI525431, AI541374, AI541534, AI535639, AI546999, AA585453, AI525321, AI557787, AI526194, AI541506, AI535813, AI546891, AI541017, T24112, T02921, T24119, AL039156, AL044530, AL036630, AL039504, AW451416, AW013814, AL039555, AL039509, AL039564, AL039538, AL038043, AL039108, AL039678, AL039566, AL039074, AL038837, AL039521, AL039625, AL039648, AL039659, AL039629, AL045794, AL039476, AL043586, AL037726, AL038531, AL039109, AL040992, AL039924, |
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AL039128, AL044407, AL036973, AL042909,
AL045341, AL045337, AL044412, AL037051,
AL045353, AL039386, AL039423, AL039410,
AL044364, AR067731, AR067732, AR051651, I25027,
I26929, I44515, I26928, I26930, I26927, A29109,
A32111, I44516, AR027100, A49045, AR009152,
AR009151, AR067734, A83151, AR068508, AR068510,
AR068509, I58322, I58323, I85513, AR054109,
Z96177, AR068550, A23373, AR068551, X85060,
E01324, I08638, A70359, AR016495, A95117,
A93936, A94048, A94061, A94046, A94054, I07209,
I07249, AR067733, AR029418, A63954, I09267,
I09270, I09268, I09269, A49701, I09252, I09251,
AR029417, AR035224, I58669, AR038066, AR027099,
A27169, A27170, A39929, AR038307, AR038321,
AR051652, AR038306, AR038320, I91969, A83642,
A83643, X89399, I25041, AR018924, A48774,
A48775, A38214, A44171, I56772, I95540, A63067,
E01239, E01561, A51047, A63064, A63072,
AR068507, AR068506, AR064436, AR000006,
AR015960, AR000007, AR015961, A92081, AR027319,
A91752, A91751, AR027318, A92080, A92077,
A92078, A92079, AR031374, A49700, AR031375,
A58521, AR020969, E01619, I06159, A93445,
AR003585, A06633, A60212, A60209, A60210,
A60211, A32110, A83180, A60206, A93446, A91754,
A64973, A84772, A84776, A84773, A84775, A84774,
AR037157, A86792, A58522, A68112, A68104,
A91750, A11245, A20702, AR062871, A43189,
A43188, A20700, A98420, A98423, A98432, A98436,
A98417, A98427, I66495, I66494, I66498, I66497,
I66496, I66487, I66486, X83865, A85395, A85476,
AJ244004, I15353, E12566, E12564, E12565,
A98767, A93963, A93964, E14304, AR062872,
A81878, AR062873, A25909, AF082186, AJ244003,
A58524, E16678, A58523, D78345, AR038762,

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| 1365 | HWMBX6 8 | 876137 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1365, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1365, and where b is greater than or equal to a + 14.</p> | <p>E03627, Y16359, AR055048, AR055051, AR055049, I66488, I66489, I66490, I66491, I66492, I66493, A91965, I66481, I66482, I66485, I66483, I66484, AR012640, I15718, I15717, A92133, I08395, M28262, I08396, A70040, A93016, I00682, A20699, A11623, E00609, A11624, I18302, E00696, E00697, E13740, A11178, E01007, I13349, E03813, A10361, AR035975, AR035977, I48927, I60241, I60242, I03331, A02712, A02710, E12615, AR035193, A77094, A77095, A07700, A13392, A13393, I62368, AR031488, I13521, I52048, A27396, I63120, AR017907, AR043601, A95051, A18053, I49890, I44531, I28266, A18050, A23334, A75888, I70384, A60111, A23633, I21869, AR007512, A24783</p> |
| 1366 | HE8OF49 | 876139 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2141 of SEQ ID NO:1366, b is an integer of 15 to 2155, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AI809519, AI733273, AI700619, AW444492, AI701407, AI268747, AW023153, AA933010, AI216153, AW450105, AI268633, AI793298, F03428, H09383, H09323, Z44285, AW297395, F04852</p> |

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| 1367 | HWLHY12 | 876140 | <p>NO:1366, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1710 of SEQ ID NO:1367, b is an integer of 15 to 1724, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1367, and where b is greater than or equal to a + 14.</p> | <p>AW394038, AW157294, AW394036, AW163057, AA306435, AW362974, AW157089, AW362965, AI878985, AW162479, AA146857, AW362967, AA311937, AW362962, AA306611, AI879487, AW362949, AA774684, AA813993, AW362950, AW403413, AW362951, AW407973, H59390, AW362956, AA310305, AA360185, AA332342, AA120901, D81998, W21240, R18124, AA312498, AA971457, AI223218, AA377328, AA300637, AW163350, AA248513, AA377822, AW366952, AI690275, N91094, AL021808</p> |
| 1368 | HCQBL07 | 876141 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 359 of SEQ ID NO:1368, b is an integer of 15 to 373, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1368, and where b is greater than or equal to a + 14.</p> | AA668479 |
| 1369 | H2LAJ32 | 876142 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 807 of SEQ ID NO:1369, b is an integer of 15 to 821, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AA313981, AA513970, D80022, D59787, D59927, D59502, D50995, D80391, D81030, D80188, D80166, D58283, D80212, D80196, D59619, D80210, D80240, D59859, D80195, D80193, D51423, D51799, C14389, D59275, D80253, D80043, D80227, D80219, D80164, D57483, D80269, D80366, D80038, D50979, D59889, C14331, T03269, C15076, D59610, D80378, D80024, D59467, D80045, C14429, AW178893, D80241, AA305409, D51060, C75259, C14014, D51250, D80134, AW179328, AW178775, AW352158, AW378532,</p> |

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| 1370 | HSIAD07 | | | <p>AR008278, AB028859, Y12724, AB010386, AB012117, X68127, A85396, AR066482, A44171, A85477, A94995, I19525, A86792, U87250, AB002449, X93549, A82595, AR008443, AR060385, I50133, I50126, I50132, I50128, AR066488, AR060138, AR016514, A45456, A26615, AR052274, A43192, A43190, AR038669, Y09669, AR066490, AR066487, AF135125, I18367, A30438, Y17187, D88507, D50010, A63261, I14842, AR008408, AR054175, AR062872, A70867, AB033111, AR016691, AR016690, U46128, A64136, A68321, AR008277, AR008281, D13509, AR064240, AR060133, X64588, U87247, I79511, AB023656, U79457, AF123263, AR032065, AJ000347, X93535, AR008382</p> <p>AA376851, AF067844</p> |
| | | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of SEQ ID NO:1370, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1370, and where b is greater than or equal to a + 14.</p> |
| 1371 | HWLNZ56 | 876151 | 876146 | <p>AI636631, AA309020, AI744144, AW009754, AI700328, AI673552, T55187, T16814, R87983, AA514537, AW014851, R89617, AI202634, AA652368, AI695471, T04994, D50992, T18597, AI535639, Z32887, D59751, AI525556, AI535660, Z33559, AI557084, AI557262, AI536138, AI525500, AI557864, AI541205, AI557082, AI557533, AI526078, AI540903, C14228, AI525316, H65400, AI525302, AI525757, N71206, AI557317, AI541356, AI557312, AI525852, AI541075, AI557809,</p> |
| | | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 639 of SEQ ID NO:1371, b is an integer of 15 to 653, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> |

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| 1372 | HLQBA23 | 876152 | <p>NO:1371, and where b is greater than or equal to a + 14.</p> | <p>AI557731, AI541365, AI525661, R29657, AI541353, AI525856, AI541321, AI557155, AI557238, AI525666, AI541450, AI541034, AI557258, AI557474, AI547196, AI525568, AI557602, AI540974, AI557041, AI535828, AI536150, AI535813, AI546829, D30843, AI557039, AI557154, AI525656, AI547177, AI557543, AF117946, A62300, A62298, AR050070, A82595, A82593, U94592, Z30183, AF006072, U41654, AR025466</p> <p>AA777628, AW085142, AA748330, AA811973, R89234, AA730279, R89233</p> |
| 1373 | HDPQV66 | 876153 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 893 of SEQ ID NO:1372, b is an integer of 15 to 907, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1372, and where b is greater than or equal to a + 14.</p> | <p>AW188509, AA133311, AA748711, AW006796, AA808751, AI636357, AI126533, AI125369, AI298453, AW166241, AA830092, AA033555, AI765118, AI096536, AI362676, AW303885, AI810267, AI304494, AW369295, AW369278, AI278826, C06204, AI298997, AA934415, AI803059, W45399, AA911937, AI285295, AW369353, H20014, AA846303, AA620334, AI380981, AA046599, H20084, AA856630, H41028, W32278, AA259115, AA348014, W57679, H41029, AI862059, AA436105, AW378921, H23401, W40332, AW370532, AI283494, H23290, AA838806, AA348015, R22761, AI702112, AA737279, AA736690, R22707, AA731236, R22706, R43410, AA133178, R43411, N49145, R23256, AA932492, AW002378, R23332, AA046727, AA976863, AA248262,</p> |

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| 1374 | HODEJ02 | 876155 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2638 of SEQ ID NO:1374, b is an integer of 15 to 2652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1374, and where b is greater than or equal to a + 14.</p> | <p>AW151330, N54032, AI784141, AA604954 AI936171, AI660616, AA723024, AA190582, AA702472, AA947752, AI814600, AA075189, AW020121, AW294648, AA757206, AI125830, AI696932, AI921488, W15540, AA167043, AA305635, AA830086, AI658993, AI436142, AA962072, AA284969, AA425011, AA250752, AA828460, D56246, AI741195, AA251400, AA829606, AI032702, AW079530, N49067, AA749129, AA279652, AA495947, AI026876, W31634, AI282893, AW079538, AA459370, AI074276, H89116, AA502299, D56326, AA284995, W32623, AA904260, AI001813, H89222, D56456, AW242319, AA250829, AI040832, AA837963, AW295502, AA442409, AA253372, AA279862, W03753, AW452047, AI289978, AA327787, AA634468, AA298940, AA459595, AA991736, AI090474, AA603227, AA730869, AI191872, D61332, AA634018, N86750, N79236, AI280656, AA211438, AA908725, AI695184, D62649, AA358933, N75598, AA811697, AI094362, F35399, N50196, AA075188, AW205837, AA773229, AF100156, AW364866, AC003042 AW360816</p> |
| 1375 | HWMBZ31 | 876156 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 313 of SEQ ID NO:1375, b is an integer of 15 to 327, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1375, and where b is greater than or equal to a + 14.</p> | |
| 1376 | HLTCX04 | 876166 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a</p> | <p>AA485808, AA505129, AI149019, AI970131, AI829798, AA346059, AA367024, AA371138, W39118, AA491324, AI817772, AA300274, AW194921,</p> |

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| | | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1239 of SEQ ID NO:1376, b is an integer of 15 to 1253, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1376, and where b is greater than or equal to a + 14.</p> | <p>AW166155, AI652296, AA824496, AI301046, AI249946, AL040694, AI241223, AI915295, AI250646, AA088789, AI471429, AW021717, AL036509, AL039011, AI500061, AI702527, AW059828, AW196720, AW163834, AA928539, AI538885, AL036705, AI969655, AI223980, AI434731, R53741, AI524654, AI401697, AA837391, AI799313, AI687568, AI623941, AI752007, AI580027, AI333104, AI274759, AL079740, AI345415, AL046849, AI682958, AA057840, AI374827, AI250353, AI586931, AI432644, AI805688, AI583578, AW088560, AA805708, AI565172, AI440238, AI658566, AI491842, AW151979, AI702540, AW172723, AI784214, AW263569, AI345688, AW055252, AI699020, AW021662, AW118508, AI590830, AW051088, AW022636, AW195253, AI887163, AI702343, AA587590, AA575874, AI801325, AI242248, AW162189, AI345010, AI344785, AI343325, AW151451, AI309306, AA259207, AI964011, AI802826, F36855, AI890887, AI345553, AI355779, AA827691, AI923989, AI289791, AI349967, AW083573, AW020381, AI280607, AI927233, AA761557, AW403717, AI308032, N75771, AI581033, AI452857, AI584118, N81195, AI627714, AI699823, AI590755, AI539260, AI860027, F34030, AI915291, AI499986, AW082532, AI348897, AI114703, AI125109, AI811192, AI688854, AI345745, AA830396, AL119791, AL047675, AL036548, AI285439, AI270039, AI688848, AI537516, AI926593, AI690813, AW194014, AI005511, AI859644, AW104141, AI784233, AI633125, AI469516, AW020046, AI698391, N63128, AI815232, AI612885, AL036265, AI817523, H89138, AI500523, AW088605, AI648699, AI241741, AI582871, AA225339, AI582932, AA514684, AI623797,</p> |
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| | AI619820, AA580663, AI491710, AI623363, AI783569, N99092, AIS39632, R65859, AI889189, N71180, AI361701, AI491904, AI435253, AA641818, AI866573, AI343091, AI310575, AI345417, AW161098, AI161279, AI302590, AI335363, AI366984, AI583032, AI538850, AI963058, AW078729, AL047100, AL037602, AI433611, AW025279, AI590043, AI305157, AW089293, AI815855, AI299903, AI340533, R20540, AI349957, AW020592, AI288335, AI685211, AW161202, AI096771, W74529, AA493923, AI345471, AA767039, R10067, AL037582, AI559863, AI345005, AI918554, AW022494, AW079768, AI680504, AW191003, AW020288, AW009306, W45039, AL048499, AA768369, AI360195, AI630252, AA555145, AW020095, AI569616, AL135024, AW089572, AW084097, AI671642, AA279795, AI800341, AI890907, AI225000, AI357599, AI621341, AC006512, E01573, E02319, AF091512, AF067790, S61953, I48978, AL137640, AJ238278, AF002672, I89947, AR038854, A08913, I03321, AL117432, AL137258, AL133557, A08912, A08911, AF026816, A18777, X82434, S77771, AF000167, AF116573, S76508, AL133665, AL137476, AF159615, E12580, X75295, S83456, A21103, AF028823, L13297, E05822, AF141289, AL117583, E15582, AF090886, AL049452, AL050393, AF019298, A08910, AJ004832, AF113013, I89931, A08909, AF017437, X79812, AF106657, AL137550, I49625, A08907, A08908, AL122050, A77033, A77035, AF176651, I32738, AL137548, A48221, AF013214, AF185576, AL137521, A48220, I89934, Y10823, A65341, A76337, AF087943, U95114, AF090903, AF032666, AF008439, Z97214, U77594, D83032, AL133084, I33392, X06146, AL122100, AL122045, AL137533, S68736, AF090901, AL122121, X72387, A23630, E12747, X66862, AL049382, |
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| | | | <p>AF120268, AL137538, AF061981, U72621, AF061943, AL035458, AL136884, AF113677, AL122106, AF026030, AL050278, A07647, AL137495, A90844, AF111851, AL137459, Z37987, AL110221, AL110158, AL080140, U62966, AL080147, AF180525, AL137705, E06743, U36585, AL133560, E02152, AF111112, U75932, AF078844, AF113694, AF090934, A57389, S63521, AL133054, A86558, AL137286, AL133558, U67958, X61399, AL080159, AR000496, AL049430, U39656, X80340, AR029490, AL117626, AL137271, AF210052, Z82022, X52128, AF109155, AL137711, Y14314, AF026008, AF124728, AL133016, AF158248, AL122118, AL122093, AL080148, AL133113, AR068466, AL133010, AF182215, M92439, AF107018, Y08769, AL080118, S54890, AF183393, A65965, M19658, AF195092, AL122049, L19437, Y16645, X56039, A65340, Y11587, AL137478, AL080154, AF200464, AR059958, AF043493, AF061795, AF118558, AF151685, AF199027, A65943, U78525, AL050155, AL117435, E02221, E01614, E13364, L04504, AB029065, J05277, X96540, AR011880, I89944, I22272, AF091084, AF145233, AB028451, AL050277, E12579, I26207, I22020, AF146568, U35846, AF102578, U89295, AL110280, U88966, AL137463, AR013797, AL137554, I09360, AL137298, AL133640, AF162270</p> |
| 1377 | HYABC06 | 876168 | <p>W00981, AA095481, N79184, AI693730, AA113788, AA096381, AI373515</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 657 of SEQ ID NO:1377, b is an integer of 15 to 671, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> |

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| 1378 | HLVDI04 | 876169 | <p>NO:1377, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 487 of SEQ ID NO:1378, b is an integer of 15 to 501, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1378, and where b is greater than or equal to a + 14.</p> | | |
| 1379 | HBXFF23 | 876170 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 948 of SEQ ID NO:1379, b is an integer of 15 to 962, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1379, and where b is greater than or equal to a + 14.</p> | W03002 | |
| 1380 | HDPBG07 | 876172 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2921 of SEQ ID NO:1380, b is an integer of 15 to 2935, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AW450363, AA806222, AI697498, AW379227, AI950341, AA477713, AW262972, AI762090, AI143168, AA062917, AW055125, AI708563, AA722270, AI190178, AI147612, AA188072, AI524191, AA280235, N44673, AI921393, AI291105, AI760852, W68464, N26444, AI373000, AI302843, AI097247, AI160536, T66196, AI804233, W78020, AW138636, AI423991, AI089967, C75569, AA565899, AI279995, AI565961, AW341212, H99338, AI299654, AA631426, AA419222, AA663984, W73977, AA954140,</p> | |

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| | | | NO:1380, and where b is greater than or equal to a + 14. | <p>W51950, W69512, AA410280, AI491793, AI393820, AA128340, AA349786, AI242298, C75628, H29446, AA213410, AA599925, N35301, N44876, H29445, H43944, AW407957, AI186159, N95537, AA730169, AA662641, AW241690, AA838196, W04289, AA187171, F12045, W73396, H96739, AA082450, N54637, AI693584, AA514420, AI266534, W69601, AA805928, AA255924, N33412, C75660, AI351695, AA386137, AW291308, AI656702, AI242486, AW026628, AI423698, AW405587, H45912, AA582631, AA244409, T91940, AI693563, R81438, AI868184, H42592, AA355526, AA349785, T84915, AI001044, AW079738, Z29930, R80195, F09688, H43066, AW273143, R74231, AA419207, AI205120, H00493, AI918592, H23921, R81641, AA345108, AA361827, AI707909, AA310049, AA346697, W69413, AW407592, T66132, T87190, T18570, T87277, T18595, D61617, W24226, AA281534, T10717, AA213409, AA503305, AA477714, R50328, N44051, AA928401, AI018524, N74140, AA761812, W69429, AA922945, AI381590, AI347968, N24768, AR038868, AB016811, AR055261, AR038869, AR055262</p> |
| 1381 | HCYBF02 | 876174 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 612 of SEQ ID NO:1381, b is an integer of 15 to 626, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1381, and where b is greater than or equal to a + 14.</p> | <p>AA305198, AA134366, AA259244, AI078409, AA338262, R91816, AI591375, AI460050, AA601376, AI909130, AW338376, AA484658, AW272389, AI890297, AL035847, N54947, AA522642, AA847096, N80390, AL039471, AA078337, AA515176, AW008089, AA171400, AA595499, AW247866, AW250983, T94247, AI468971, AA349437, T05143, AA297682, AI935827, AA833896, AA833875, AA493464, AW168520, AA350593, AA610381, AA568494, AI952885, AA772140, AL044674, AW080062, AA526542, AA847711, AA665645, AA601674, AA335314, AA507745, AI050050, AW088745, AI271693, T26553, AI224583, AA320262, AA847095, AA493136, AI064918, AA743517, AI000381, AA595661, N59648,</p> |

R10475, AA679937, AW029515, AA666052, AA640685,
AA218684, AA548390, AA584862, AA283455,
AI440037, AA613627, AA524604, AI583321, F31380,
AA523132, AL118823, AA199578, AW021105,
AI918661, F18553, AW419209, AA314494, T57562,
AI049845, AA551105, R92608, N26159, AI251576,
AA582975, H88429, AI927275, AL040054, AI272241,
AA687730, AA634882, H62123, AW169038, AA071173,
AA613231, L78810, AL022330, AC004032, AC004925,
AC004914, Z77249, AC004973, AF196970, AL079339,
AC007649, AC007842, AC004986, AF205588,
AP000031, Z75744, AL031293, AC006539, AC003668,
AC005549, AL121578, AL049636, L05367, AP000038,
AL021407, AL133485, AC004929, AC006026,
AL035086, AC000115, AL031283, AL022165,
AL031781, AP000279, AC004526, AP000135, U63834,
AC005082, AP000106, AC007308, AP000305, Z98744,
Z95125, AL035413, AC006251, AL109865, AL031073,
AC005184, AC001226, AP000047, AP000115,
AF134726, AC004996, AD000684, AP001052,
AC007240, AF165141, AC006509, AC005484,
AC004383, AC009731, Z98049, AC011456, AL031433,
AC004087, AC007537, AC004079, Z98884, AC007541,
AC005859, AC004263, AC004988, AL035653,
AC002544, U91326, AC005412, AC002425, U95742,
AL034419, AL009047, AC007533, Z83826, AC007216,
AC002300, AC005828, AF207955, AL035460, U91321,
AC004984, L29074, AP000261, AF222686, AL034379,
AL031652, AC005632, AC007463, AC005209,
AC002403, AP000100, AP000035, AC005048,
AP000123, AP000055, AP000170, Z98048, AL079306,
AL022322, AC006241, AL080239, AC002395,
AL023883, AC005229, AL133396, AC004468,
AC000378, Z69705, AC004063, AL033504, U91323,
AL135960, AJ131016, AC004754, AC007371,
AC005046, AC002110, AJ006345, AC005832,

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| | | | AC005829, AP000010, AC004961, AC005725, AL022239, AC002105, Z98050, AC005225, AC006270, AL031584, AL034451, U82828, AC008064, AP000247, AC007066, AP000255, AL049832, Z84484, Z84572, AC004853, AC002039, AC006062, AL033527, AL031733, AP000497, Z97353, AP000503, AL133353, AL008712, AC005377, AL096791, AC003676, AC005690, AC004938, AC007388, AC005876, AC006142, AP000102, AL034429, AF222685, AL121576, AC002492, Z73358, AP000351, AC008372, AC009399, Z97184, AL049829, AC004099, AC007538, AC005253, AL121694, AL122003, AC006430, AP000201, AC007539, AL022328, AF049895, AC002064, AC006385, AC005042, AC007955, AC007731, AC004975, AP000097, AC007682, AL049712, AL022163, AC009248, AL031985, AC006155, AP000356, AC005191, AC006965, AC007385, AC005988, AF128525, AC004033, AC005409, AL023095, AC004953, AL035411, AL049773, AC005154, Z84469, AC005500, AL021331, AC012380, AL031054, AF165926, Y10196, AP000354, AL008718, AL031287, AC000353, AC010205, AL050326, AC005375, U82696, AP000338, AL132987, U71148, AC004794, AC007200, AP000216, AC003098, AC005585, AC006141, AC005342, AP000352, AC006277, AC005378, AC004815, AC005660, AF023268, AL031055, AC004876, AL031729, Z68287 AI656807, AA897632, AW151919, AW271601, AA287933, AI393569, AA644542, AI248118, AA707517, AI240868, AI247781, AI076324, N68357, AI380870, T87807, AA808229, AW197425, AA835077, Z40387, AI458836 |
| 1382 | HTWDI21 | 876177 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 569 of SEQ ID NO:1382, b is an integer of 15 to 583, where both a and b correspond to the positions of</p> |

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| 1383 | HATED01 | 876179 | nucleotide residues shown in SEQ ID NO:1382, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1383, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1383, and where b is greater than or equal to a + 14. | AI792782, AI191919, AI765864, AI733139, AA702347, AI220405, AI423312, AI478373, AW302194, AI423507, AI916231, AI627973, AW173486, AI086574, AI701146, AI521715, AI917438, AI678790, AI925944, AI770081, AA760715, AI904742, AI582603, AI990352, AI951007, AI655622, AI650463, AW173518, AI393071, AW236096, AI989921, AI022200, AI024409, AI393059, AI695050, AA888360, AI206995, AI077536, AI474034, AI452440, AW194978, AI076106, AI206908, AA969379, AA551593, AI223442, AI302211, AI968178, AI571592, AI241002, AL034553, D86198, AF007875, AB004789 |
| 1384 | HWLVU14 | 876182 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1216 of SEQ ID NO:1384, b is an integer of 15 to 1230, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1384, and where b is greater than or equal to a + 14. | AI347147, AI738411, AI439130, AA514394, AA595253, AI269359, AW028586, AI936898, AI739648, AW242697, AW027766, AA081901, AI739639, AW157368, AI739255, AI393079, AI244459, AA226866, N99765, AW418654, AA480225, AA905814, AA999828, AC007501, U80736 |
| 1385 | HOVC112 | 876183 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 368 of SEQ ID NO:1385, b is an integer of | AA307780, AI923248 |

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| 1386 | HCYBB01 | 876184 | 15 to 382, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1385, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1188 of SEQ ID NO:1386, b is an integer of 15 to 1202, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1386, and where b is greater than or equal to a + 14. | AW188031, AI9222934, AA504414, AI536863, AA744849, AA972022, AA309130, AI569395, AA135144, AI570856, AW021626, AA904846, AA962329, AA737604, AI351478, AI560610, AA765375 |
| 1387 | HCRPM32 | 876187 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 561 of SEQ ID NO:1387, b is an integer of 15 to 575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1387, and where b is greater than or equal to a + 14. | AA019767, AA213771, H86330, H85652, H86775, H86333, AI990107 |
| 1388 | HLDNV31 | 876192 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1658 of SEQ ID NO:1388, b is an integer of | AI741793, AW003635, AA425065, AL044729, AI825212, AI333124, AW102958, AA699738, AW014983, AI580520, AA653341, AI248768, AW057987, AA961070, H11570, AA913775, AI425117, AI452997, AI937807, AL039909, AL041387, AA398627, AI223186, T87214, AL045603, AI638724, AA644230, R45377, AI700094, T74013, Z21364, |

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| 1389 | HCRNN03 | 876193 | <p>15 to 1672, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1388, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 434 of SEQ ID NO:1389, b is an integer of 15 to 448, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1389, and where b is greater than or equal to a + 14.</p> | <p>AA749051, F10219, R14519, AI242930, R40666, R21286, F12602, AA887964, H11462, AA416562, Z21365, AI890224, R41179, AA829590, AA417298, AA653411, AA837654, AI221436, AA493103, AW082244, R14339, AA055888, AW389658, T67466, T97917, R08296, AB002326</p> <p>AC005219</p> |
| 1390 | HTPIQ89 | 876198 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 868 of SEQ ID NO:1390, b is an integer of 15 to 882, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1390, and where b is greater than or equal to a + 14.</p> | <p>AI808815, AI457550, AI911077, AI658931, AI916359, AW009684, AW072228, AA579578, AA622141, AA295027, AA552628, AA594836, AA551833, AI167645, AA576815, W23220, AF114127, AB014603, AL137668</p> |
| 1391 | HWLQD01 | 876200 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of</p> | |

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| 1392 | HISAQ01 | 876201 | SEQ ID NO:1391, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1391, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 842 of SEQ ID NO:1392, b is an integer of 15 to 856, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1392, and where b is greater than or equal to a + 14. | |
| 1393 | HCRMC10 | 876206 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 627 of SEQ ID NO:1393, b is an integer of 15 to 641, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1393, and where b is greater than or equal to a + 14. | N24236, AI742828 |
| 1394 | HWABD53 | 876207 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 698 of | T25873, AW024164, C06355, AI476066, H79253, C06056, R78935, AI436456, AI064830, AL121270, AL047042, AL046849, AI349772, AI686926, AL045500, AI433157, AL047763, AI433976, AL040243, AW117882, AW071349, AI608667, AI275175, AL119049, AL044207, AI580190, |

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| | | | SEQ ID NO:1394, b is an integer of 15 to 712, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1394, and where b is greater than or equal to a + 14. | AL119791, AI440426, AI500077, AI281779, AL036980, AL036146, AW074993, AI687728, AI868831, AI349645, AW268253, AI312152, AI345735, AL119748, AI567351, AI620284, AI349937, AI538716, AI469532, AI699857, AW089572, AI497733, AI818683, AW169653, AI340582, AW071417, AW301409, AL135661, AI349004, AI597750, AI499463, AI873731, AI863014, AI590128, AI800453, AW087445, AI521012, AI282655, AW162071, AI349256, AL036396, AW195957, AI250293, AI678302, AI568870, AW274192, AW148320, AI343112, AI702406, AW303152, AL036802, AI758437, AW103371, AI440239, AI680113, AI687376, AI800433, AW238730, AI597918, AI349933, AI934036, AI679724, AW068845, AI500553, AI635461, AI439087, AI207510, AL048871, AL121365, AI635942, AI857296, AI475371, AI564719, AI349614, AI920968, AI348897, AL038778, AI866608, AI499131, AI815383, AI281773, AI631107, AI499393, AI874109, AI697137, AI909641, AI636456, AI285735, AI334902, AI445432, AI625079, AL036274, AI906328, AI609592, AI583316, AI475134, AL120854, AI862142, AI540832, AI613017, AI500659, AI249257, AI687415, AI498579, AI702433, AI687375, AL038605, AI690835, AI919058, AI633419, AI866002, AI952114, AA585422, AI492540, AW074869, AI568855, AI889203, AW301300, AL120736, AI536685, AI539771, AW167776, AI671679, AI610307, AI224992, AI283941, AL119828, AI696846, AA640779, AA613907, AI909666, AI673256, AI366549, AI612913, AI349598, AL040169, AA572758, AL036759, AI818206, AA508692, AI340519, AI690751, AI349226, AI568854, |
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| | AI567632, AI271786, AI269696, AI889839, AL038779, AW302965, AI682841, AL121014, AW166645, AW075351, AI753683, AW080838, AI684265, AI318569, AI866780, AI811353, AI307466, AI366991, AI907070, AI446606, AW302992, AI866887, AI969601, AL047041, AI679764, AI859733, AI469811, AI754897, AI439745, AI628205, AI281762, AI343059, AI811863, AI580984, AL043326, AI270055, AI813914, AL036240, AI282281, AI434281, AI802542, AL036260, AW026882, AI610645, AI499512, AW235035, AW268072, AI696398, AI800411, AW269097, AI624668, AI569616, AI909662, AI445025, AI921379, AI312428, AI251485, AW085799, AI274541, AW104724, AL036247, AI570384, AI591311, AW183130, AW132121, AI678989, AI309401, AI446628, AI620868, AL121463, AL036631, AW118557, AL042753, AI969567, AI609331, AI269205, AI282903, AI432229, AI653541, AI340603, I48979, AF090900, AL133640, AL117460, AL133606, AF090903, S78214, AF090934, AF113694, L31396, L31397, AJ242859, AL050146, S68736, AL049452, I89947, AF090943, AF078844, AL117457, AF125949, AL080060, AF090901, AF113013, AL050393, AF118070, AF113691, AF118064, A93016, AL133016, AL110221, AL110196, Y11587, AL137527, U42766, AF104032, AL049938, AF113690, AL050149, I89931, AF090896, AL122050, AR059958, AF113689, AL050116, AL050108, AL049314, A08916, AF113676, AL133075, X84990, AF113677, AB019565, AF106862, AL049466, AL133557, AL096744, AF017152, AL122093, AF113019, A08913, AF111851, AF113699, AL080137, AL133093, AL133080, AL080124, AL137283, AL050277, AR011880, Y16645, AF097996, E03348, AL133565, AL137557, AF158248, AL122123, |
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| | | | <p>E07361, I48978, U91329, AJ000937, X63574, Y11254, AL137459, AL122121, AL117394, AL049430, AF146568, AF091084, AF125948, AL110225, AL050138, U00763, X82434, AL133560, AF079765, AF177401, AL117583, A65341, E02349, I49625, E07108, AL049300, AL117585, AL137550, AF017437, AL049382, AL049464, AJ238278, A08910, AF067728, AL117435, A58524, A58523, A08912, S61953, AL050024, A77033, A77035, X70685, AL122110, AF091512, I33392, AL137648, A08909, AC006371, AL133113, A03736, X96540, A12297, AF118094, Z82022, AF183393, E05822, AL122098, AL137271, AL137538, AL049283, AF061943, AC002467, I03321, U72620, AC002464, U35846, AC007390, AL137463, X72889, AL080127, AL137523, U80742, AC005992, I09360, AC006840, X65873, AL096776, X98834, AF087943, AL110197, AC004686, AF042090, Y09972, X93495, AL133072, AL122049, AC004227, AL137521, AC006336, U95739, E08263, E08264, L13297, AC004987, U67958, I17767, AL133568, AC004093, AL022147, AL080159, AF061981, U68387, U49908, M30514, AC006039, AL137429, AF026124, AL078630, I42402, AR013797, AC007392, AL035067, AC007172, AL133077, I26207, AL137526, AL137560, E15569, AC004200, AJ012755, AL050172, AC004690, AF100931, A93350, I66342, AL137533, AL035587, AL022165, AC007298, AF111112, AF000145, AR000496, U39656, AF026816, AF081197, AF119337, AC005291, AC004383, I00734, AF057300</p> |
| 1395 | HKCSF17 | 876208 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 906 of SEQ ID NO:1395, b is an integer of</p> |

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| 1396 | HTDAI12 | 876209 | <p>15 to 920, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1395, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1087 of SEQ ID NO:1396, b is an integer of 15 to 1101, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1396, and where b is greater than or equal to a + 14.</p> | <p>15 to 920, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1395, and where b is greater than or equal to a + 14.</p> | |
| 1397 | HYABB57 | 876213 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 434 of SEQ ID NO:1397, b is an integer of 15 to 448, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1397, and where b is greater than or equal to a + 14.</p> | <p>N73548, AI694413, AW271652, AI082035, AI912946, AI719718, AA024658, W24189, W24182, AW015394, T79755, AA988043, AI709339, AI510754, AI656335, AL031983, AC006137</p> | |
| 1398 | HWLVN09 | 876215 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 749 of SEQ ID NO:1398, b is an integer of</p> | <p>AI088609, AI742316, AI264197, AI803475, AI307145, AI129474, AA442089, AI886144, AI249368, AI864189, AI584049, AI696838, AW058403, AA428062, AI913435</p> | |

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| 1399 | HOHAU02 | 876220 | 15 to 763, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1398, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 305 of SEQ ID NO:1399, b is an integer of 15 to 319, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1399, and where b is greater than or equal to a + 14. | AI903943, AI903949, AL035420, AC005082, AC008064, AL022727 |
| 1400 | HCRN143 | 876224 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1561 of SEQ ID NO:1400, b is an integer of 15 to 1575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1400, and where b is greater than or equal to a + 14. | AA313797, W73983, AW374097, AA824282, AI207345, Z26317 |
| 1401 | HWLGV14 | 876226 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1299 of SEQ ID NO:1401, b is an integer of | AI110653, AA573785, AI421829, AI889106, AI815098, AW082282, AW151910, AA309046, AW251068, AI688082, AI935867, AA903732, AI342309, AI469758, AI301940, AI336447, AI660665, AI625318, AI636809, AI559518, AI216199, AA974182, AI336445, AI476296, AI272699, AA865622, R95048, AI832439, AI908555, |

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| 1402 | HCBM15 | 876228 | <p>15 to 1313, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1401, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 516 of SEQ ID NO:1402, b is an integer of 15 to 530, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1402, and where b is greater than or equal to a + 14.</p> | <p>AW079674, AW276067, H71284, AI290972, AI659188, H41084, H39231, AI865986, AI333305, R76336, AI914585, AI590410, H12385, AA987621, R48364, R94963, AA639087, D45438, C20912, AI274107, AI720940, H70884, AA372940, AW250334, H15022, AI244423, AW192993, AA935031, AI199655, AI199654, H15021, AI832803, AA593195, AW269879, AA886276, AI225252, R45920, AF115384, AC006479</p> <p>AA305646, D57483, C14389, D80391, D59787, D80196, D81026, D80253, D80522, D58283, D80366, D51022, D80227, D59859, D59467, D80043, D51423, D80022, C14331, D59275, D80166, D80195, D59619, D80210, D51799, D80164, D80240, D59927, D59502, D81030, D50979, D59889, D80248, D80212, D80251, D50995, D80269, D80188, D80219, C15076, D80038, AA305578, D80133, D59610, D80024, AA305409, D80193, D80378, AA514186, AW177440, AA514188, D80241, C75259, C14429, AW178893, D80045, D51060, AW377671, T03269, AW360811, AW179328, D80132, C14014, D58253, AW378532, AW375405, AW177501, AW177511, C05695, AW178762, D59373, D80134, D80268, AW366296, AW360844, D80439, AW360817, D51250, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, T11417, AW178775, AW369651, AW177505, AW179024, AW352158, F13647, D80949, AW352117, D80302, AW176467, AW352171, AW377676, D80247, AW178906, AW352170, AW177731, AW178907, AW179019, AI910186, AW360841, AW179020, AW178909, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, D51079, AW179018, AW352174, AW179004, AW179012, AW360834, AI905856, D51103, AW178914, AW378525, C06015, AW367967, D80157, AW177722, D59627, D58101, D59503, AW177728, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, AW378540, AW178983, Z21582, AW178781, T48593,</p> |
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| | | | D59653, C14227, D51213, D45260, AW352120, AW177723, C14975, AI535850, AA285331, C14973, D51097, D80064, H67854, C03092, AW378533, AA809122, H67866, D81111, AI557751, AW367950, AI525917, AI525923, D80014, T03116, AI557774, D59317, D50981, D58246, AW178986, D45273, D80258, C14344, D51221, D59474, D60010, AW177734, AI525920, AA514184, AI535686, C14957, C14407, D59551, AI525227, D60214, AI525912, C14046, AI525235, C16955, Z33452, AI525242, AI525222, AI525925, C14298, T03048, AW378539, AI525215, AI525228, D80168, T02974, AW378542, C05763, AI525928, AW360855, AI525237, H67858, C04682, T02868, D51053, D51231, A62300, A62298, AR018138, A84916, AJ132110, AF058696, AR008278, AB028859, X67155, Y17188, D26022, A25909, Y12724, A67220, D89785, A78862, D34614, D88547, X82626, A82595, I82448, A94995, AR060385, AB002449, AR025207, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR054175, AB012117, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I14842, I18367, A30438, X68127, Y17187, AR008277, AR008281, A63261, D50010, A85396, D88507, AR066482, X64588, A44171, A85477, I19525, A86792, AR062872, A70867, AR016691, AR016690, U46128, X93549, AR008408, A64136, A68321, I79511, D13509, AR060133, AF123263, X72378, AR032065, U79457, AR008382 AA897516, AW408837, AA975111, AI375439, AW058357, AI831278, AA429693, W17288, N92884, AI800566, H90037, W25564, N89755, AW075779, N90701, H64915, H64916, AA019995, AA864899, AF177934, L47207, I36298, X97874 |
| | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1396 of SEQ ID NO:1403, b is an integer of |
| 1403 | HTXOU56 | 876229 | |

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| 1404 | HHFCN93 | 8762232 | <p>15 to 1410, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1403, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1428 of SEQ ID NO:1404, b is an integer of 15 to 1442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1404, and where b is greater than or equal to a + 14.</p> | <p>AA769099, AW051928, AI701149, AW166012, H14423, AA972142, AI339332, N92764, R59745, AA100558, AI383947, AA347767, AA015757, AI338203, AA347768, D81417, H72916, AA805417, D20390, AI025219, R52023, H14749, AA504717, AC006366, Z55318</p> |
| 1405 | H2CBC05 | 8762236 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1675 of SEQ ID NO:1405, b is an integer of 15 to 1689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1405, and where b is greater than or equal to a + 14.</p> | <p>AI743549, AI953907, AW444710, AI457576, AA452352, AI744355, AW169608, AA452129, AA809771, AI284062, AA307160, AW363101, AI865348, AA907553, AI620087, AI936509, AA618311, AA456277, AA454662, AA173381, AA534032, AI369959, AW000933, AW298707, AW363100, AA478933, N90372, AI186424, C14331, D80166, AA809122, D80439, D80247, D59619, D80210, D80240, AI557751, D59927, D81026, D80022, D81030, D80219, D80212, D80133, C14389, AA305409, C14014, D80391, D59787, D59859, AA514186, D59502, D51423, D51799, D80253, D80043, C14344, D80522, D51060, D80196, D80157, D80268, C15076, D80248, D80366, D80195, D58283, D80188, D80164, D59467, D51022, D59275, D80038, D80227, D50995, D59610, D57483, D80193, D80045, D80269, D59889, D59653, D50979, D80024, AA305578, D51759, D80302, AA514188, AW360811, T03269, D80241, D80251, AI535686, AW377671,</p> |

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| | D80378, D51103, C06015, AW177440, T03116, AI525923, C05695, AW178893, D45260, C75259, D58246, D59373, AW375405, AW360844, H67866, C14407, C03092, H67854, C14973, AW366296, AW177501, AW178906, AW177511, AW360817, AW179328, AW179020, T48593, AW375406, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, D80064, AW177731, AW378528, AW178762, AW178754, AW179019, AW179024, AW377676, AW378532, D81111, T11417, Z21582, AI525917, AW360841, AW352120, D51221, C14227, AW177505, AW178775, F13647, D80258, AW178909, AW177456, AW179004, D59503, AW352170, D51250, AW178986, AW178907, AW177733, AW178908, AW179018, AW352158, AW178971, AW360834, AW352117, D59317, D80014, D59474, N66429, AI525920, AW177734, AW378533, D80949, AA514184, AW367950, D58101, AW179009, AW179012, AW178980, AW178914, AW178774, AW178781, AW378543, AW378540, AI557774, C14957, D60010, H67858, AW179013, D59551, D80168, C14298, AI525235, Z30160, AW178759, AI525215, AW178911, AI525227, AW378525, C14046, AW352163, AW378539, AI525912, D80228, AW177728, D59695, Z33452, AA285331, D51053, D45273, AI525242, C16955, D59627, D51213, AW378542, C05763, AI525925, AI525222, T02974, D13645, A62298, A84916, A82595, AR018138, A62300, A30438, AR008277, AR008281, Y17188, Y17187, AR008278, AF058696, AR060385, AB028859, AJ132110, AB002449, I50126, I50132, I50128, I50133, U46128, AR016691, AR016690, X82626, AR016514, I14842, X67155, AR060138, A45456, A94995, D26022, A26615, AR052274, A43192, Y12724, A43190, AR038669, A25909, AR066488, Y09669, AR066487, X68127, A67220, D89785, A78862, D34614, AR054175, AR008443, |
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| 1406 | HTEPE28 | 876238 | <p>1</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 694 of SEQ ID NO:1406, b is an integer of 15 to 708, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1406, and where b is greater than or equal to a + 14.</p> | <p>A63261, D88547, D50010, AR062872, A70867, AR008408, A64136, A68321, I79511, AR025207, D13509, AR060133, AF123263</p> <p>AA205046, AA383391, AI184616, AA223825, AI825541, AI469846, D42084</p> |
| 1407 | HUSGL79 | 876239 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 824 of SEQ ID NO:1407, b is an integer of 15 to 838, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1407, and where b is greater than or equal to a + 14.</p> | <p>AA045573, AA279920, R20139, AA372783, H21473, AB010812, AC004520, AF125534, AC007225</p> |
| 1408 | HPMFU84 | 876259 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 918 of SEQ ID NO:1408, b is an integer of 15 to 932, where both a and b correspond to the positions of</p> | <p>AI017564, AA809290, AW002023, AA405338, AA806993, AA405339, AA888974, AA236935, AI024655, AA262702, H49789, AI524770, N77703, AA362512, T88993, AA328171, C01908, U43374</p> |

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| 1409 | HDLAD09 | 876260 | nucleotide residues shown in SEQ ID NO:1408, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 751 of SEQ ID NO:1409, b is an integer of 15 to 765, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1409, and where b is greater than or equal to a + 14. | W79877, Z42158 | |
| 1410 | HCQAW45 | 876261 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 518 of SEQ ID NO:1410, b is an integer of 15 to 532, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1410, and where b is greater than or equal to a + 14. | AI829532, AL008582 | |
| 1411 | HCYAC01 | 876265 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 538 of SEQ ID NO:1411, b is an integer of 15 to 552, where both a and b correspond to the positions of | AA308914, AA308913, D59927, D50979, D80227, D58283, D80188, D80253, D80195, D80043, D59275, D80269, D59502, D59859, D80022, D80166, D80366, D81030, D51423, D59619, D80210, D51799, D80391, D80240, D59787, D80378, D80038, D80212, D80045, D80193, D80196, D80164, D80219, D57483, C14389, D59889, D50995, D80024, D59467, D59610, C14331, C15076, C14429, D80241, D51060, AA305409, T03269, D80522, D58253, C75259, C14014, | |

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| | | <p>nucleotide residues shown in SEQ ID NO:1411, and where b is greater than or equal to a + 14.</p> | <p>AW178893, D81026, D80134, AA305578, D51022, AW179328, D51250, D80268, AW177440, F13647, AW378532, AW178775, D80251, D80949, AW369651, D80168, D59695, AA514188, D52291, D51079, C14227, AW352158, D80248, AI910186, D81111, AW178762, AI905856, AW177501, AW177511, AA514186, D80133, AW360811, Z21582, C14298, D80064, C05695, AW352117, C14407, AW176467, AW375405, AW377671, D80132, AW360834, AW378540, D80302, AA285331, AW366296, AW360844, AW360817, AW375406, AW378534, D51097, AW179332, AW377672, AW179023, AW178905, AW352171, AW377676, D80439, AW178906, AW352170, AW177731, AW178907, AW179019, AW179024, D59373, D80247, AW179220, D80014, AW177505, AW360841, AW179020, AW178909, T11417, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, AI557751, D51103, AW179004, AW179012, C06015, AW352174, AW178914, T03116, AW378525, AW367967, D80157, AW177722, D51759, AW179009, AW177728, AW178774, AW178911, AW378543, AW352163, D80258, AI557774, AA809122, D59653, AW178983, AW352120, AW178781, D45260, T48593, D59627, T02974, C03092, AI535850, AW177723, H67854, H67866, AW378539, AI525923, D59317, D51213, D45273, C14975, T03048, D59503, AW367950, AW178986, D59474, AA514184, AI525917, AI525227, D58246, D60010, C14973, C14344, AW378533, C14957, D59551, AI535686, D51221, AW177734, AI525920, D60214, D58101, AI525242, C14046, AI525912, AI525235, C16955, AI525925, AI525237, AI525215, AW378542, C05763, Z33452, AI525222, AW360855, T02868, D31458, C04682, H67858, AI525928, C13958, U49017, A84916, AJ132110, A62300, A62298, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547,</p> |
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| 1412 | HCROF86 | 876266 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1086 of SEQ ID NO:1412, b is an integer of 15 to 1100, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1412, and where b is greater than or equal to a + 14.</p> | <p>AR008278, AF058696, X82626, AB028859, I82448, AR025207, Y12724, AB012117, A82595, X68127, AB002449, AR060385, AR016808, A85396, AR066482, A44171, A94995, A85477, I19525, A86792, U87250, X93549, AR008443, I50126, I50132, I50128, I50133, AR016514, AR066488, AR060138, A45456, A26615, AR052274, I14842, Y09669, AR066487, A43192, A43190, AR038669, AR054175, A30438, AR066490, Y17187, I18367, A63261, AF135125, D88507, AR008277, AR008281, D50010, AR062872, A70867, AR016691, AR016690, U46128, AR008408, I79511, A64136, A68321, AB033111, D13509, U87247, AR060133, AR064240, AF123263, AR032065, U79457, X93535</p> |
| 1413 | H2CBJ83 | 876269 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 549 of SEQ ID NO:1413, b is an integer of 15 to 563, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AI650543, W69438, W69521, H10084, AA489949, R13756, Z43027, F07990, F06224, AA326226, AW388196, AW388234, AW388225, AW388262, AW388176, AW388206, AW388208, AW388214, AW388253, AF086275, AB024057, AB017114, U88873</p> <p>AA403070, AA313305, AA361460, T78498</p> |

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| 1414 | H2LAW73 | 876270 | <p>NO:1413, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 569 of SEQ ID NO:1414, b is an integer of 15 to 583, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1414, and where b is greater than or equal to a + 14.</p> | AA315703, AI796815, T99503, AI049875, D80022, D80391, D59787, D80253, D81026, D80196, C14389, D80522, D80366, D80195, D59502, D59467, D80164, D59275, D80227, D58283, AA305578, D80193, D80043, D50979, D59859, C14331, D80166, C15076, D51423, D59619, D80133, D80210, D51799, D80240, D80212, D50995, D81030, D80269, D80248, D80038, D80188, D80219, D59927, D80251, D57483, D59610, D80378, AA305409, D51022, D80045, D59889, D80024, AA514188, AW177440, D80241, T03269, AW178893, AW377671, AA514186, AW360811, AW179328, C14014, AW378532, AW375405, D80268, AW352117, D51250, AW178762, D80168, AW366296, AW360817, AW375406, AW378534, AW352171, AW179332, AW377672, AW377676, AW179023, AW178905, AW178754, AW179024, D52291, D80302, F13647, AW179020, AW177456, D80439, T11417, AW178906, AW177731, AW178907, AW179019, AW179018, D80247, C06015, AW378528, AW178908, D51103, Z21582, AW360834, AW178914, AW178781, AW378543, AW378525, AW378540, AA593344, D80157, D59627, D59503, AW178774, AW352163, D58101, AA809122, T48593, D80064, T03116, C14227, D45260, AI525923, AI557774, AA285331, D51213, C03092, H67854, H67866, D80258, AW378533, D81111, D59317, AI557751, D45273, AW367950, AW178986, D59474, AI525917, T03048, D58246, AW378539, AW179013, D80014, C14973, C14344, AA514184, AI525227, AI535686, D51221, D59551, AI525920, C14407, Z30160, H67858, AI525242, AI525235, AI525925, C16955, AI525912, T02868, Z33452, T02974, AI525215, D31458, C13958, C14298, AW378542, AI525237, AJ132110, A84916, A62298, AR018138, AF058696, A62300, AB028859, |
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| 1415 | HWMCL22 | 876274 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 404 of SEQ ID NO:1415, b is an integer of 15 to 418, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1415, and where b is greater than or equal to a + 14.</p> | <p>AR008278, X67155, Y17188, D26022, A25909, Y12724, A67220, D89785, A78862, D34614, I82448, D88547, A82595, X82626, AR016808, A94995, AR060385, AR025207, AB002449, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, I14842, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR062872, A30438, Y17187, X68127, A63261, D50010, AR008277, AR008281, A70867, AR016691, AR016690, U46128, AR008408, I79511, A64136, A68321, AR060133</p> |
| 1416 | HCRPZ42 | 876276 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1416, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1416, and where b is greater than or equal to a + 14.</p> | <p>AA285061</p> |
| 1417 | HCYBM32 | 876277 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1416, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1416, and where b is greater than or equal to a + 14.</p> | <p>AA305407, D51423, D51799, D80166, C14389,</p> |

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| | | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1417, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1417, and where b is greater than or equal to a + 14.</p> | D80133, D80522, D81030, D51060, D80248, D59610, D80366, D81026, D59859, D59619, D80210, D80240, D80253, AW377671, D80269, C14331, D58283, D80212, D50995, D80188, D59467, D51022, D80022, D50979, D80219, D80227, D80195, AA305409, D80391, D80164, D59275, D80038, D80043, D59787, D59502, D80241, D80251, D57483, D59889, D80196, D80024, D59927, AA514188, C15076, C14014, AA305578, D80193, D80268, AA514186, D80045, D80378, D80439, AW360811, AW177440, C14429, AW178983, C75259, AW178893, C06015, D59373, D80247, T03269, D80302, AW375405, AW360844, T11417, AW177501, AW179328, AW177511, AW366296, AW360817, AW375406, AW178906, AW378534, AW352171, AW179332, AW377672, AW179023, D80157, AW178905, C05695, AW378532, AW377676, D51103, AW360834, D51759, D80134, AW177505, AW360841, AW178775, D80132, D58253, D59653, D81111, AW178909, AW352170, AW178762, AW177731, AW367967, AW178907, AW378528, AW178754, AW179019, AW179018, AW179024, AW352117, D51250, AW176467, AW369651, D45260, AW179020, AW177456, F13647, AW179329, AW178980, AW352158, AW178914, AW177733, AW178908, AW178971, T48593, AW352174, AW179017, AW179004, AW178774, AW378543, AW179009, AW179012, D80064, D80258, C14227, D58101, AW352120, AW378525, AW352163, D80014, H67854, C14077, D50981, D58246, C03092, AI525923, T02974, AW178911, H67866, AW177722, AI910186, AW177728, AA514184, AA809122, T03116, D59503, AW367950, AI905856, AW378540, D59317, C14407, AI525917, AW178781, AI535959, AI525920, D45273, D51221, T03048, D60214, C14344, D59474, AW178986, C14973, AW378533, AI557774, AI535850, AW378539, AW177734, AW177723, C14957, D60010, C14298, AI535686, AI525235, D59551, AI525215, |
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| | | | | <p>AI557751, AI525227, D80168, C14046, D59627, AI525222, AW179011, AI525912, AW179013, D51213, AI525242, AA285331, AI525925, Z21582, D51097, H67858, C16955, Z33452, Z30160, AW378542, C05763, D80949, AW178759, AI525928, AW360855, AI525237, D59695, D52291, D51053, C04682, C06084, T02868, D50312, AF015606, D50313, AF015605, D50314, D88159, E12830, A62298, AR018138, AR008278, AF058696, A84916, A62300, AJ132110, AB028859, AF015607, A82595, AR008443, AR060385, X67155, Y17188, D26022, Y12724, A25909, AB002449, A94995, A67220, D89785, A78862, D34614, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, A45456, A26615, AR052274, X82626, AR025207, Y09669, A43192, A43190, AR038669, AR066487, I14842, AR054175, A30438, Y17187, AR066490, AR008277, AR008281, A63261, D50010, I18367, X68127, AR062872, A70867, AR016691, AR016690, U46128, AR008408, I82448, A64136, A68321, I79511, AB012117, D13509, AR060133, AR066482, A85396, D88507, AF123263, A44171, AR032065, A85477, I19525, A86792, U79457, X93549, AR008382</p> <p>AI346422, AI246769, AI304342, AI910457, AI381007, AA541292, AI129972, AA496921, AW089855, AA627519, AA627188, AW082592, AA923632, AA577580, AW439990, AI650301, AI676154, AC004080, U41813, AF010258, U81511, X13537, X13536, M28449</p> |
| 1418 | HCRPI72 | 876278 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 915 of SEQ ID NO:1418, b is an integer of 15 to 929, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1418, and where b is greater than or equal to a + 14.</p> | |
| 1419 | HKCSA58 | 876280 | <p>Preferably excluded from the</p> | AI5979 |

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| 1420 | HMWFC49 | 876281 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 230 of SEQ ID NO:1419, b is an integer of 15 to 244, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1419, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 158 of SEQ ID NO:1420, b is an integer of 15 to 172, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1420, and where b is greater than or equal to a + 14.</p> | AW410053 | |
| 1421 | HMSIE02 | 876282 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2279 of SEQ ID NO:1421, b is an integer of 15 to 2293, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1421, and where b is greater than or equal to a + 14.</p> | <p>AW451452, AI040326, AI650832, AA313243, AI650393, AI818259, AA534633, AI094737, AI033652, AI693411, AI341518, W30723, AW197245, AW051598, AW291994, AI274289, AI221551, AA035621, AA653321, AA634950, AA781232, AA136077, N99062, AA806117, AA136161, AA722867, AA932876, AI435016, AI659053, AI474321, H87560, AA843369, H21542, AA361623, N47604, N45494, AI907694, AA332538, H87452, AI284255, AA037342, AA365059</p> | |
| 1422 | HCRMZ34 | 876284 | Preferably excluded from the | AA034416, AA491400, AA504783, W65331, AI885434, | |

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| 1423 | HTGAM27 | 876300 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1646 of SEQ ID NO:1422, b is an integer of 15 to 1660, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1422, and where b is greater than or equal to a + 14.</p> | <p>AI553873, AI637992, AW172551, AA236838, AA053881, AA482166, AI680567, AI184074, R43006, AA491299, W61314, AA884262, RI7801, AA888033, U96876</p> |
| 1424 | HCVBI20 | 876304 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 296 of SEQ ID NO:1423, b is an integer of 15 to 310, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1423, and where b is greater than or equal to a + 14.</p> | <p>AA187449, AW361774, AL034396, L14787, Z99130, AL031115</p> |
| 1424 | HCVBI20 | 876304 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3092 of SEQ ID NO:1424, b is an integer of 15 to 3106, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1424, and where b is greater than or equal to a + 14.</p> | <p>AI433336, AI763355, AI911988, AI436136, AI609777, AI859398, AA197062, AA305389, AI346370, AW271204, AA825907, AW242356, AI910841, AI673503, AI632367, AW269183, AW196356, AW273255, AI304550, AI419935, AI270299, AI247514, W01219, AI355117, N72988, AA030042, AW007158, AA070475, AW006961, AI304462, W57671, AA876039, AA705874, AA831500, H62242, AA897761, W03289, AA029912, AA305307, H93491, W91963, H82187, AI245415, AA643520, AW088307, H93492, R89908, AA377111, AI318375, AI961885, AA059231, AA883186, AW139085, AA581261, T85676, Z40302, AA887782, AA502293,</p> |

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| | | | <p>AW264318, H62331, R93209, R07861, AA360792, H82082, T29678, F01458, AA527320, H61166, AI270229, AI932770, AW070350, R07916, AI765901, F04303, N74218, AA581216, AW268185, AI334444, AW274341, AW268947, AA128235, AI699588, AA128234, AI581851, C14331, D80022, D58283, D59927, D80247, D80248, D80043, C14389, D80227, D59467, D51799, D80439, D59502, D50995, D59859, D80522, D80166, D80195, D51423, D59619, D80210, D80391, D80164, D59275, D80240, D80253, D80038, D80269, D59787, AA305409, D51060, D81030, C14429, D81026, D80212, D80268, D80366, C15076, D80196, D80188, D51022, D50979, D80219, D80378, D59610, AA305578, AA514188, C14014, D57483, C03092, D59889, D80193, D80133, D80045, AA594216, D80024, AA514186, C06015, D80302, D80157, AW360811, D51103, AW177440, D59653, D51759, D80241, D80251, AW178893, T03269, AW377671, AW375405, C75259, H67866, D45260, H67854, T11417, AW352170, AW366296, AW178906, C14344, AW360844, X12901, A07400, M98454, A14103, A26237, X04657, AF058696, A62300, A82595, A84916, A62298, AB028859, AR060385, AJ132110, AR018138, AR008278, AB002449, I50126, I50132, I50128, I50133, AR016514, AR054175, X67155, AR060138, A45456, I14842, Y17188, A94995, D26022, A26615, AR052274, A43192, Y12724, A43190, AR038669, A25909, AR066488, Y09669, AR066487, Y17187, A67220, D89785, A78862, D34614, A30438, AR008443, A63261, AR008277, AR008281, AR062872, A70867, AR016691, AR016690, U46128, D50010, D88547, I79511, X82626, A64136, A68321, AR008408, X68127, AR025207, AR060133, AF123263, AR032065</p> |
| 1425 | HNEDH18 | 876306 | <p>AA297291, AA504969, AA504982, AL119401, AA622598, AL134137, M20317, X14448, AL035422,</p> |

Preferably excluded from the
present invention are one or more

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| 1426 | HWMFQ61 | 876308 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 338 of SEQ ID NO:1425, b is an integer of 15 to 352, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1425, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1953 of SEQ ID NO:1426, b is an integer of 15 to 1967, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1426, and where b is greater than or equal to a + 14.</p> | U78027, M18242 | AA769602, AA524145, AW007155, AI127421, AI826426, AI815931, AW193517, AI951907, AA290918, AA573859, AI879177, AI912328, AW070886, AI376231, AI352472, AW296096, AI956172, AA283702, AA583479, AA486429, AI095623, N91996, AA405889, AI089975, AA493377, AI147623, AA147930, H09366, AI879560, AI698813, AI493913, AA580211, AA737974, AI476337, AA423896, N24051, N32340, N66204, AA405729, AA507484, AI374680, AA489431, AA157554, AA147501, N35409, AA505515, AA489372, AA127433, N55519, H15112, AA173145, N57433, AA471177, AW401453, N63852, T78215, AA857801, N52066, H09309, AA780883, AL079771, AA356048, AA769879, AA173273, R25268, AA127432, R46621, AI707462, AA807765, AI423315, AA877529, AA836375, AA352973, AA148410, H85254, AA356047, AA326793, AA678778, R53945, AA278977, N99204, AA335034, R07396, AA423831, AA367574, AA715745, H84922, AI762734, R07347, F05138, AA058460, AW339712, AI701737, T29480, AA995682, AI815735, N48041, AI362375, N35874, F01382, AA329166, AA295203, AI476572, AA370912, H15111, AW182730, H09397, AA772378, AA158205, AA564008, D19907, AW161156, AI540674, AI918449, AW020406, AI587121, AL041150, AW020397, AI491904, AI564716, |
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| | AI923989, AW021717, AW410302, AI224373, AI307557, AA464646, AW020592, AI289310, AI623941, AI859991, AW236692, AI609760, AI879064, AI267185, AI567582, AL042753, AW020095, AI811603, AI621341, AI311472, AL038986, AI049850, AI927233, AI656188, AI560722, AA806534, AA502794, AI350489, AI679506, AW020710, AI961414, AI633383, AI580214, AL048871, AI349012, AI521005, AL079963, AL036705, AI525653, AI581033, AI590943, AI758445, AA580663, AI432570, AA641818, AI589428, AW192109, AW051059, F28295, AI242248, AI741158, AI499963, AW102798, AW021066, AW084056, AW057937, AW148876, R36363, AI638644, AI537677, AI434731, AW148478, AI141727, AW020373, AL048323, AI432507, AW169784, AL048340, AI382313, AI587209, N22276, AA514684, AI282268, N29277, AI538764, AI440263, AW020419, AI587000, AW160905, AW162194, AI273856, AI491710, AI891125, AW151136, AI536685, AI499279, AL079799, AI860027, AW129106, AI697236, AI797538, AI458588, AI348901, H41759, AI500061, AI372009, AW327825, AW022168, AA455772, AI699865, AW020629, AI002285, AI279925, AW085350, AI241901, AL138406, AL046466, AI281757, AI270295, AI632036, AI471282, AI500514, AW073996, AI872423, AI950892, AI341690, AW051088, AI890907, AI624245, AI524654, AI633125, AI472484, AW265582, AI698391, AI538564, AL036361, X15653, Y09008, A64377, AC007637, X89398, AC010582, Y08975, X99018, U55041, AL110292, X92986, X79093, A64383, AB016226, AL133637, I89947, U49908, E01614, E13364, I48978, AF175903, AL050024, AL122050, AL137529, AL137533, A08910, A08909, AL117460, AF026124, |
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| | AF145233, A08908, Y11254, AL133560, AF082526, M85164, X70514, AL049996, AL050172, AJ005690, AR038854, AL110296, AF090900, AL080156, AF118090, AL137258, A08913, AF094480, I08319, U91329, J05277, AL049283, AF087943, A08912, AF146568, AF113690, AL133080, U42766, S76508, AL137523, AL035407, AL117587, AL133623, X82434, E06788, E06790, E06789, AF061795, AF151685, AF177401, AL137480, AF031147, AL137459, M96857, AL133568, AL137550, A91160, AL137539, AB031064, A08916, E05822, AL133640, AL049347, AL050277, AF118094, X06146, Y09972, E12747, A21103, AF159148, S36676, X99257, X60786, Y13350, AL137530, A76335, AR038969, AF111851, X63162, AF079763, AF111849, AL137574, S77771, S83440, S68736, A08911, AL080118, A18777, AL122110, AF061943, X67688, Y16645, AL110218, AF113699, AF069506, AF141289, U86379, I48979, AJ010277, I89931, A77033, A77035, AF017790, Z72491, AL117457, AL133606, D16301, I89934, I49625, A08907, L04849, AF065135, AF081366, S69385, AL133016, AJ003118, AL096728, AL050280, U55017, AL110199, AL110269, A15345, AL117648, AL049324, A07588, AF067728, A65341, Z13966, Z82022, X86693, AL122093, Y07905, AL117435, AR034821, AL137555, U35846, L04504, Z97214, X98066, AR020905, L13297, AL049339, AL137560, AL110221, X59414, AF158248, AL110228, AF106657, AL080148, AJ006417, AF008439, X83508, S78214, AC006112, AF061981, AR013797, L04852, X76228, X66862, AL137478, U02475, Y10936, AL110197, AL133112, AF016394, M27260, AL023657, AF125948, AL110225, AL137488, AL096751, Z35309, A18788, AF115410, E01573, E02319, I33391, AL049430, X89102, M85165, AL137479, AC002467, AL122049, AF118092, AL117416, U95114, X92070, AL137254, AL080074, |
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| 1427 | HFIUZ10 | 876309 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 865 of SEQ ID NO:1427, b is an integer of 15 to 879, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1427, and where b is greater than or equal to a + 14.</p> | <p>AL050116, AF026008, AF039138, AF039137, AL049452, I32738, A23630, AF077051, AL110159, X63410, Y10655, S63521, AL049300, A86558, AF090943, X79812, AL110196, AF176651, X84990, AB007812, E01314, Z37987, AL133075, A07647, AF124728, AF036268, AL122045, I66342, AL050146, AL137485, AL133113, AL133619, AF102578, X96540, AR011880, AR053103, AC004878, Y10823, AI140058, AI148053, AA449704, AW080161, AA580334, AA448557, AI453006, AA863038, AI277552, AA723892, AI282002, AA879085, AI282089, AA928469, T81791, AA258329, AI271667, R02362, T82108, H66854, AC004080, M74297</p> |
| 1428 | HDPJE43 | 876322 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1428, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1428, and where b is greater than or equal to a + 14.</p> | <p>AA305011, M73047, X81323, U50194, A58393, M55169, A58395</p> |
| 1429 | HWLWR2 ₂ | 876326 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AW291224, AA027791, AI826645, AI970074, AI859242</p> |

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| 1430 | HCRNUJ16 | 876327 | <p>the general formula of a-b, where a is any integer between 1 to 292 of SEQ ID NO:1429, b is an integer of 15 to 306, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1429, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 731 of SEQ ID NO:1430, b is an integer of 15 to 745, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1430, and where b is greater than or equal to a + 14.</p> | <p>AL135311, AA576997, N33567, AI2339529, AI474303, AW242213, AA665114, AI003594, AA983676, AI832948, AA890557, AA251288</p> |
| 1431 | HPRAZ22 | 876330 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 917 of SEQ ID NO:1431, b is an integer of 15 to 931, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1431, and where b is greater than or equal to a + 14.</p> | <p>AA634082, AA663929, AW451471, AW451304, AA700185, AA780866, AA634109, AA974089, AI422746, AI422171, AW117387, AI352179, AI934740, T29406, AA581945, N51197, AI813713, AW274227, AA884819, AI418378, N71535, AI250177, AI479657, AI491976, R70651, AA864343, AW051516, C01561, AA926708, AA595570, AA913798, N47990, AA927688, AA465663, AW008553, AI735695, AI014415, AW086054, AA731995, AI631350, N68464, AA688150, N66020, AI422914, R68953, AW380659, AI831007, AI057418, R24219, AW401518, AI476095, AI492721, AA805457, AW392708, AA040547, N52290, AW362897, D57651, AI814638, R46574, R24220, AA769734, D56634, R74511, D57409, N91308, R78553, R77666, R46649, AI351922, R63467, AW090402, H80687, AI567650, R70873, T83969,</p> |

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| 1432 | HWLQG81 | 876333 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 350 of SEQ ID NO:1432, b is an integer of 15 to 364, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1432, and where b is greater than or equal to a + 14.</p> | AA370839, R23184, R68106, H04104, R78403, R6836, D56912, D56797, F01477, R23183, N30106, D56629, R68150, AI699279, R70543, R82008, N45543, R48545, D56817, AI276541, AI908540, R77667, R78505, R63400, AA459439, N26395, R69802, M28697, M90727, M31932, I07269, J03619, M90735, M28696, M31933, X52473, M31934, M31935, X17653, L08108 AA832206, AA974370, W46279, AW196653, AI023212, AA464174, AI420451, AI948608, AI890342, AA114888, AW300598, AI129358, AA669095, AA504203, AA521314, AA252310, AA280044, AA165321, AI718165, AI765613, AI797687, AA877638, N69756, AI831132, AI027401, AI701050, AA863081, AI807828, Z40146, AA995204, T71333, AI935316, Z19443, AI918466, F00129, Z28882, D57019, AL047889, AW369458, AA743770, AL047888, AW025464, D54675, AW149925, AW302960, AL036802, AA504439, AI927755, AL041772, AW163823, AW162194, AI866608, AL036274, AL041562, AL119863, AW238730, AL045500, AI699865, AI909697, AI340519, AI537677, AL110306, AI433157, AI698391, AI929108, AW026882, AI620284, AL079963, AI254727, AA640779, AI349645, AA613907, AW051088, AA572758, AL038505, AI699011, AI590043, AW129264, AL037454, AW059828, AW269098, AW268251, AW161156, AI064830, AL039086, AW020693, AW268768, AW300782, AI349933, AL036403, AI340603, AI581033, AI923989, AL119828, AW082113, AW300889, AL119791, AI309401, AW172745, AL036396, AL048656, AI349598, AL041150, AW020397, AI589428, AI783504, AI284517, AW161579, AW198075, AI567351, AL047344, AI813914, AL080046, AW089572, AI610293, AI753683, AW074993, AL079960, |
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| | AL040169, AW268253, AI500659, AI950892, AI312152, AI815232, AI500523, AI468872, AW160916, AW162071, AI349937, AL036638, AI348897, AI345180, AW150578, AI625464, AW302965, AL047042, AI252414, AW080402, AI802542, AI633125, AW087445, AI868931, AI348901, AW071417, AI864836, AL036673, AW301300, AL037582, AL037602, R36271, AW161202, AI270183, AI521012, AI312428, AW023859, AL118620, AW163554, AL135022, AI702073, AL046931, AI610645, AI539771, AI349614, AL038605, AI343112, AW302992, Z99428, AI866770, AI473536, AI499963, AL080045, AI560012, AI366549, AL121014, AI567582, AI345735, AL043355, AI801325, AI815855, AL038779, AL119748, AL036980, AI889189, AL134830, AI890507, AW068845, AI612885, AA579618, AI636456, AI866820, AI564719, AL119049, AI358701, AI497733, AL121365, AA528822, AI754897, AI091468, AI500662, AI440263, AL040241, AI472536, AW022808, AI697324, AI251221, AA493647, AI538850, F37471, AW301409, AI884318, AI860783, AI624293, AI345688, AL036146, AL039716, AW074869, AI307543, AL047100, AI335426, AI348777, AW071362, AL037030, AI569583, AI475371, AI635492, AI349256, AW075207, AI673363, AI343037, AW403717, AI669864, AW020419, AW149236, AL036901, AI682841, AI859991, AL120695, AI613038, AA580663, AI568114, AL119399, AI537837, AI683395, AL040456, AL036240, AI536685, AI307604, AL036631, AI538716, AA641818, AC002350, AL096744, I48979, U35846, I89947, AL122050, I09499, I48978, Y16645, AL110196, AL117457, U87620, AF090903, Y11587, AF177401, AF090943, E07108, AL133075, AL050116, |
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AF090901, AL122093, AF100931, AL137550, M27260,
AF090900, A08916, AL133606, AF078844, AL137538,
A08910, AL049382, AF146568, AF090934, A65340,
AL137271, AF183393, S78214, AL133565, A77033,
A77035, AL133640, A08909, AL133016, A08913,
AF113019, AL133557, I89931, AL050149, AF113013,
AF090896, X70685, AF113691, AL137488, AF079765,
AL133560, AF079763, AL137533, AF104032,
AF113694, AF125949, AF017152, AF097996,
AL049938, AL137557, AF031147, AF125948,
AL050146, AL117435, U42766, I00734, AB019565,
AL049300, AL049283, E05822, E00617, E00717,
E00778, E12747, AL080124, AR013797, AF067728,
AF087943, AL049452, AL110221, X63574, AL050277,
AF113690, AL133080, I33392, U58996, AL122100,
AL096720, E02221, AF091084, E02349, AL137548,
AL137480, AL122110, AJ000937, AL049430,
AL137459, L31396, AL137527, AL050393, L31397,
AF106862, AR011880, AB016226, AL050024,
AL117460, AL050108, E01614, E13364, A58524,
A58523, AF017437, AF118064, A65341, AF118070,
AL137478, I49625, AF111849, S68736, X72889,
AL080060, AR038854, AF118090, AF113676,
AL133113, AF057300, AF057299, AL080148,
AF113699, AL050172, Z82022, AJ242859, X84990,
AL080234, A03736, AF032666, A93016, AL137283,
AL049466, E06743, AL049314, AF111851, AF158248,
A08908, AF061943, AL133067, AL122098, AL137529,
AL122121, AL137479, U72620, AF113689, X79812,
Y11254, AR059958, AF106697, U80742, AL122123,
A08912, A12297, AL137521, AF102578, AJ005690,
E07361, X82434, AJ238278, AL023657, AL110225,
AF113677, AF153205, AF026124, AL096751, U68387,
AL137294, S61953, AF118094, AL117583, Y09972,
A86558, A07647, AL080137, AB029065, AF067790,
D83032, AF100781, X80340, AF210052, A18777,

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| 1433 | HOENU48 | 876334 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2579 of SEQ ID NO:1433, b is an integer of 15 to 2593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1433, and where b is greater than or equal to a + 14.</p> | <p>AF159615, AL1117649, AL080158, Z37987, AL050138, U91329, X83508, AL137526, X87582, U92068, AL117416, U96683, AL137658, AL133568, AF185576, AL117394, AL050155, A21103, A08911, AL133093, D16301, AL137292, AF081197, AL080074, AR020905, AL080159, I17544, AF090886, Y14314, U78525, X65873, AL110218, AF119337, E03348, AF126247, U95114, U67958, AF065135, AL137560, AL133665, AL137558, AL050092, AJ012755, AF081195, A15345, X81464, AL049464, AL117585, AL110222, AL050366, A18788, AL137463, AL137429, AR038969, X63162, AL110197, AF061795, AF151685</p> |
| 1434 | HOUDK26 | 876335 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1038 of</p> | <p>AA521311, AA521314, AW300598, AI051218, AI631949, AA669095, AW298550, AA278335, AI694270, AW339489, AI797687, AA464762, AI948608, AI807828, AA810071, AA804200, AI718165, AA662808, AA504439, AI129358, AI632884, AI215774, AI299255, AA452985, AI765613, AA114888, AI348428, AA114887, AA504203, AI129632, AI701050, AI890342, AA256836, AI023212, AI935316, AA974370, AA252310, AA831496, AA705444, D57415, AA464174, AA280044, Z44155, Z25261, D54675, AA165321, T71333, AI420451, AA973497, N69756, T71487, W46279, AA877638, AI027401, AA255623, AA863081, AW196653, H47827, AA832206, AA995204, AA252340, Z28882, W46278, T48511, Z40146, AI831132, AA743770, D57019, AA344612, T84473, N87679, AI918466, Z19443, F00129, D56990, AI351209, AL047889, AW369458, AL047888, AC002350, D82786</p> |
| 1434 | HOUDK26 | 876335 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1038 of</p> | <p>H20994, H45211, H45368, H40040, H45293, H45192, AA205743, T24020, T90417, H20955, R70326, AF075043, AC004755, AC005516, AC005519, AL049836, AL080243, AC007358, AC004106, AC008394, AC005234, AC007546, AC005089, AL031597, AL031056, AC003690, AC005523,</p> |

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| 1435 | HODDG78 | 876340 | SEQ ID NO:1434, b is an integer of 15 to 1052, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1434, and where b is greater than or equal to a + 14. | AC002316, AC004861, AC002472, H30375 |
| | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 651 of SEQ ID NO:1435, b is an integer of 15 to 665, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1435, and where b is greater than or equal to a + 14. | AW247764, AA442668, AA491177, AW248120, AL048314, AA479828, AA421873, AW248094, H75462, Z42343, F06148, AA923747, F06007, AI445056, R14715, F13060, AR025386, X86779 |
| 1436 | HAMFP80 | 876345 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1090 of SEQ ID NO:1436, b is an integer of 15 to 1104, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1436, and where b is greater than or equal to a + 14. | AI219740, AI478566, AI632246, AA279757, AA977612, AA716656, AA687260, AI801069, AA071046, AI985849, AW370598, AA630617, AW370599, AW370625, AA134295, AW390691, AI990289, AA134294, AA428452, AI143764, D30955, AW370620, AA352142, AA074442, T83462, AW071043, T79236, AI744728 |
| 1437 | HWHQB10 | 876354 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 345 of | H40868 |

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| 1438 | H2LAB47 | 876361 | <p>SEQ ID NO:1437, b is an integer of 15 to 359, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1437, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 395 of SEQ ID NO:1438, b is an integer of 15 to 409, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1438, and where b is greater than or equal to a + 14.</p> | <p>AA307985, AL044985, AA361756, AA016093, AA133547, AA046950, AF126424, AF106065, AF076838, AL122068, AJ001642, AJ131295, AJ004977, AF017748, AF098534, AF085736, AF106066, AC004993, AF098533</p> |
| 1439 | HIBAR28 | 876364 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 390 of SEQ ID NO:1439, b is an integer of 15 to 404, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1439, and where b is greater than or equal to a + 14.</p> | <p>AA355924, N83684, AA214701, H94179, AW298728, AI056829, AA278566, AA093069, T67190, AF092563</p> |
| 1440 | HCEFA76 | 876370 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 338 of</p> | <p>AL079827, AA503895, AB002353</p> |

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| 1441 | HCQB131 | 876372 | <p>SEQ ID NO:1440, b is an integer of 15 to 352, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1440, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 543 of SEQ ID NO:1441, b is an integer of 15 to 557, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1441, and where b is greater than or equal to a + 14.</p> | <p>AI491957, AA446825, Z42384, W86347, AC002064, T73581, T73682, T89320, T89957, R27248, R27450, R48643, H84547, H99963, N28347, N63131, N64745, N76150, AA047464, AA047398, AA086034, AA099567, AA099657, AA165569, AA169522, AA169441, AA173617, AA173616, AA169406, AA215775, AA251330, AA251391, AA258330, AA258494, AA258798, AA258704, AA258149, AA258122, AA419346, AA602860, AA622286, AA683139, AA683138, AA713685, AA743062, AA807661, AA825739, AA825993, AA828448, D78955, N87351, AA165525, AA210972, AA211395, AA416558, AA845854, AA971491, AA985073, AI023629, AI073499, AI090846, AI092089, AI093295, AI096814, Z41403, Z45751, AI302012, AI357671, AI367709, AI367710, AI201715, AI202745, AI445483, AI433348, AI478813, AI146981, AI151439, AI184769, AI658554, AI521058, AI537563, AI301471, AI634487</p> |
| 1442 | HTEGD78 | 876374 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 554 of SEQ ID NO:1442, b is an integer of 15 to 568, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1442, and where b is greater</p> | <p>AI811832, AI732557, AA151182, AI610370, AI672898, AI874058, AI758608, AL079276</p> |

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| 1443 | HCYBN59 | 876376 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 640 of SEQ ID NO:1443, b is an integer of 15 to 654, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1443, and where b is greater than or equal to $a + 14$.</p> | AA305677, D80212, D80248, D80268, C14331, D57483, D80227, D59927, D80269, D80133, D59619, D80210, D80240, D80378, D80166, D80219, D81026, D80439, C14389, D80157, D81030, C14429, D80522, C15076, AA305409, AW178983, D80195, D51060, D80022, D80366, D59859, D59502, D51423, D51799, D80253, D80045, D59467, C14014, D58283, D80188, D80391, D80164, D59787, D59275, D80043, AA514186, D59889, D59610, D80193, D80196, D80251, D51022, D50979, D80024, D50995, AW377671, AA305578, D59373, D80038, D80302, AA514188, D80241, AW360811, D80247, AW177440, AW178893, AW352163, D51759, AW375405, T03269, C75259, D80258, AW178906, AW179328, AW366296, C05695, AW360844, AW360817, AW375406, D51103, AW378534, AW179332, AW377672, AW179023, AW178905, AW377676, AW378532, C06015, D80132, D80134, AW177501, D59653, AW177511, D80949, D59627, AW352171, AA809122, AW352170, AW177731, AW178907, AW378528, D59503, AW178762, AW179019, AW179024, D58253, D51250, AW176467, AW367967, AW360841, AW177505, AW179020, T48593, AW178775, AW360834, AW178909, AW177456, AW369651, AW352158, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, D80014, D80064, AI557751, AW352117, AW178774, D45260, AW352120, D51213, AW179004, C03092, D51079, F13647, AW179012, D80168, AW378525, C14344, D59695, AW378543, AI525923, AW352174, AW177728, H67854, N66429, AW179009, D80228, D81111, AW367950, AW178911, AW177722, AI910186, AW378540, H67866, C14077, T11417, AW178781, AI905856, C14407, AW177508, D58246, AI525917, AW360855, C14227, D58101, D51221, T03116, AW178986, AW177497, T02974, Z21582, AI535850, |
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|------|---------|--------|------------------------------|--|
| 1444 | HCYBC31 | 876379 | Preferably excluded from the | D59317, D59474, AW177723, D45273, C14973, AI525920, AW378533, AA514184, AI535959, C14957, AW177734, D60010, AI535686, C14298, AI557774, D59551, AI525235, C14046, T03048, D60214, AI525215, AI525227, AI525912, AW378539, D51097, AI525242, AA285331, D50981, AW179011, D51053, AW378542, AI525925, AI525222, C05763, C13958, C16955, Z33452, Z30160, AA305720, A62298, AB4916, AR018138, AR008278, A62300, A82595, AB028859, AJ132110, AF058696, Y17188, X67155, D34614, A67220, A45456, AR060385, AB002449, D26022, A25909, A94995, Y12724, D89785, A78862, A30438, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, X82626, A26615, AR052274, A43192, A43190, AR038669, I82448, I14842, Y09669, AR066487, Y17187, X68127, AR025207, AR054175, D50010, A63261, AR066490, AR008277, AR008281, I18367, U46128, AR008408, AR062872, AR016691, AR016690, A70867, A64136, A68321, D13509, AR060133, AB012117, I79511, U79457, AF123263, AR032065, T52855, T56234, T65208, R26874, R49147, R49147, R56838, R63286, R68208, R68209, R76931, H08236, N21262, N23372, N32910, N42052, N47538, N63310, N63321, W00634, W46981, W47082, AA043968, AA043955, AA046699, AA057059, AA058538, AA102644, AA131696, AA131540, AA186895, AA188518, AA494518, AA632935, AA714553, AA741529, AA767851, AA808213, AA812138, AA847682, AA938741, AA995568, AI000554, W00650, AA477265, AA779560, AA868920, AA969270, AA936409, AI023812, AI093513, T25142, F02925, T52854, F09719, AI274698, AI285351, AI346806, AI469317, AI478311, AI540692, AI478825, AI144017, AI160890, AI625377, AI610977, AI291591 AA305023, AI352123, AI245481, AI909228, AI915162 |
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| 1445 | HCQBM44 | 876380 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 885 of SEQ ID NO:1444, b is an integer of 15 to 899, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1444, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 351 of SEQ ID NO:1445, b is an integer of 15 to 365, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1445, and where b is greater than or equal to a + 14.</p> | |
| 1446 | HKCSP75 | 876381 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 362 of SEQ ID NO:1446, b is an integer of 15 to 376, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1446, and where b is greater than or equal to a + 14.</p> | |
| 1447 | HKCSP84 | 876382 | Preferably excluded from the | AC000402, AC002322 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 289 of SEQ ID NO:1447, b is an integer of 15 to 303, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1447, and where b is greater than or equal to a + 14. | | |
| 1448 | HPMFF45 | 876383 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 511 of SEQ ID NO:1448, b is an integer of 15 to 525, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1448, and where b is greater than or equal to a + 14. | R52326, AL110125 | |
| 1449 | HE2CTS2 | 876385 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 605 of SEQ ID NO:1449, b is an integer of 15 to 619, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1449, and where b is greater than or equal to a + 14. | H74219, AA315682, AA904381 | |
| 1450 | HTNB176 | 876386 | Preferably excluded from the | AW083135, AA808057, AI745495, AA599616, T36219, | |

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| <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 302 of SEQ ID NO:1450, b is an integer of 15 to 316, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1450, and where b is greater than or equal to a + 14.</p> | <p>AI918013, AA937922, AI591300, AI868123, AI041990, AA342254, T33591, D44838, F16827, AI360911, R11202, D25779, AI521589, AA076707, AI978792, AW068394, AA347093, AA323085, AA359192, AI446474, F17700, AL045709, AA077776, AI633427, AA533408, AA558298, AA835710, AA330573, R87547, AI151261, AI370475, AA297968, AI699060, AI114477, T92957, AI952780, AA972238, AA857296, AA663306, W23546, AW268277, AA643261, AI251111, AL042113, F26719, AA825357, AI132963, T47739, AI538812, AA548087, AA425924, AI890385, AA485716, AI538540, AA828762, H05073, AW419262, AW193493, AA527730, AI865988, T78484, AA468051, AW272763, AI049996, AI801141, AI913324, N84161, R82388, H82895, AW451360, AI053786, AI148927, AI445592, AI042342, AA487219, AA384039, AA572960, AL046782, AA487079, AI754013, AA492313, AI923011, C13960, AW271904, AI753951, AA634209, AI755085, AA614010, AA235575, AW238016, AA467988, AI791150, AI623899, AA063139, AI114752, AA362395, AW407340, AA935377, AI859946, H73174, AA775049, AA581914, AI634323, AI470956, AW419081, AI979005, AI671035, AI952900, AA708678, AA311071, AA814510, AA743989, AI696901, AI754923, AA663701, AA357307, AI859834, T52783, T65812, AI755236, AI475332, AL120976, AI915081, AA569182, AA664135, AA831904, AA526656, AW189278, AA569743, AA632845, AA714956, AA664789, AA525209, AA507625, AI252506, Z36239, AI241705, AA776552, H55878, T80500, AW176024, AI261913, AI275742, AL037910, AA829033, AC004084, AC004253, AC018767, AC006120, L78810, AC007055, AL031055, AC002400, U62317, AC005288, AL035587, AP000355, AC005341, AL021391, AL049780, AC005209, AL035455, AL034379,</p> |
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| | AL035450, AL121655, U76377, AF029750, Z82172, AL109827, AC005184, AC005778, AC006958, AC005071, AL031257, AC009286, AC006132, Z82214, AL035687, AC006146, AC004993, AL031295, AL049611, AF001549, AC006115, AC005670, Z98257, AC004815, AL121748, AL121603, Z85986, AL034421, AC005015, Z49258, AC007860, Z84572, AP000030, Z97200, AC002073, AL031767, AC004837, AC005666, AF196969, AC005339, AC005011, AL035458, AF111169, AC004797, AC005800, AL031846, AL121652, AP000459, AL024498, AC006160, AC002045, AC002472, AC002558, AC004485, AC005225, AF190465, AP000112, AC006501, AC005624, AC005081, AC005726, AC006026, AP000513, AC005911, AL049552, AF045555, Z99943, AL031659, AL050307, Z97630, AL031054, AC004821, AC007406, AP000140, AC005306, AL049557, AC005088, AL109967, AC007437, AP000036, AC007536, AC007899, AC007114, AF042090, AC005480, AC006547, AC004386, AC004876, AC005251, AC003041, AL022316, AC005378, AL080242, Z85987, AC006965, AC007021, AC003104, AF134726, AC006013, AC006064, AL096774, AB020866, AP000133, AP000211, AC006049, AF064863, AC007993, AL031311, AF015262, AL035697, AF205588, AC005231, AC007151, AL034547, AC007488, L44140, AL021546, AC006299, AF146367, Z98036, AP000144, AL031282, Z99128, AF053356, AL133243, AL035451, AC007283, AC002996, AC005082, AC010582, AL031589, AL034420, AP001054, AL132985, AL034451, AC006116, AF118808, AC006380, AC007298, AP000065, AC002316, AP000088, AC005786, AC000003, AC005598, AC005663, AC006978, AL031733, AC004050, AC002538, AC005284, AP000216, Z93241, AC007227, AL049845, AC004849, |
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| 1451 | HE9ND38 | 876387 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 351 of SEQ ID NO:1451, b is an integer of 15 to 365, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1451, and where b is greater than or equal to a + 14.</p> | <p>AP000474, AC006344, Z75744, AC007390, AL049795, AL022721, U91321, AC005808, AC004448, AC010197, AP000517, AL031291, AL021808, AC005366, AL031681, AC003982, AC005874, AF134471, AL132712, AC004647, AL078593, AC007565, AC005751, AL031594, Z82206, AL031286, AP000959, AC004000, AC007510, AC006530, AC005280, AC007649, AP000230, AC005971, AC006480, AL022165, AC002364, AL132992, AC006323, AC004020, AC005821, AF006501, U63721, AC005799, AL050312, AF038458, AL021397, U95742, AL031121, AF124523, AC004227, AC003101, AL022323, AF019413, AJ229043, AJ003147, AP001037, AC006285, AC009464, AC006039, AC005048, AC002377, AP000692, AC005245, AC006597, AC002365, AL049643, AL050318, AC005057, AC002115, AC007221, AC004814, AC004111, AL035462</p> <p>AA334551, AA307537, AF002996</p> |
| 1452 | HPIAK40 | 876395 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 756 of SEQ ID NO:1452, b is an integer of</p> | <p>AI902815, AI910057, AI902293, AR062079, E05133, AI4565, I19407, E05330, E05331, E05332, A27627, E05329, E03742, E06073, I19413, I19414, E15669, AR028747, A58083, E17345, I12374, AR062080, E17343, E17344, E05159, E05147, E05139, E05134, I57961, E05162, E01336, I12376, E17339, E17340, E17341, E17342, A37179, E05144, E05135, I21469,</p> |

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| 1453 | HHPGD10 | 876397 | <p>15 to 770, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1452, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 548 of SEQ ID NO:1453, b is an integer of 15 to 562, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1453, and where b is greater than or equal to a + 14.</p> | <p>E05152, E05153, I21461, I90026, E05143, A14547, I21454, I31067</p> <p>AW361614, AB023235</p> |
| 1454 | HCQB147 | 876398 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1753 of SEQ ID NO:1454, b is an integer of 15 to 1767, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1454, and where b is greater than or equal to a + 14.</p> | <p>AA527356, AI093930, AI635756, AW150892, AW340249, AI683004, AA574295, AA578334</p> |
| 1455 | HE8DW67 | 876399 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 386 of SEQ ID NO:1455, b is an integer of</p> | <p>AA308646</p> |

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| 1456 | HONAH83 | 876400 | <p>15 to 400, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1455, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 998 of SEQ ID NO:1456, b is an integer of 15 to 1012, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1456, and where b is greater than or equal to a + 14.</p> | <p>N44636, AW292774, AA398365, H29990, R92869, AA403200, N44265, AA362919, AI914181</p> |
| 1457 | HHGCW95 | 876401 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 623 of SEQ ID NO:1457, b is an integer of 15 to 637, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1457, and where b is greater than or equal to a + 14.</p> | <p>AA573757, AA161293, AA524449, AI742214, AA622626, W96506, AI476586, W96473, AA570007, AI216739, AW168439, T06973, AI268257, AI702993, AA502262, AI911816, AI796804, AA480659, AA552367, AI709265, AI809403, AI445236, AA552072</p> |
| 1458 | HCYBI75 | 876402 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 528 of SEQ ID NO:1458, b is an integer of</p> | <p>AA305438, AA056382, AW188096, AA308744, AI702438, C14389, D59927, C14331, D80022, D50995, D80166, D80212, D80391, AW178983, D59787, D59619, D80210, D80240, D80045, D80268, D58283, D81030, D80196, D59467, D51022, D59859, D51799, D80227, D80195, D51423, D80164, D59275, D80253, D80043, D59502, AA305409, D80219,</p> |

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| | <p>15 to 542, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1458, and where b is greater than or equal to a + 14.</p> <p>D80269, D80248, D81026, D80366, D80188, D50979, D80522, C14429, C15076, D59610, AA305578, D51060, D80193, D57483, D80038, C14014, D59889, D80133, D80024, AA514188, AA514186, D80439, D80378, AW360811, AW177440, D80247, D80241, D80302, D80251, AW178893, T03269, AW377671, AW375405, D80157, AW178906, AW179328, AW366296, C75259, AW360844, AW360817, AW375406, D51103, AW378534, D51759, AW179332, AW377672, AI139921, AW179023, AA056479, AW178905, AW378532, C06015, AW352170, AW177501, AW177511, D51250, C05695, D59373, D80132, AW352171, AW377676, AW177731, AW178907, T48593, AW378528, AW178762, AW179019, AW179024, D80134, D59653, D58253, AW176467, D59627, AW367967, AW177505, AW360841, AW369651, AW179020, AW178775, AW178909, AW177456, AW360834, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, AW352158, AW352117, D45260, AW178774, D58101, D59503, F13647, AW352120, AW179004, AW179012, AW378525, AW352163, T11417, D80949, H67854, D80168, C03092, AW378543, AW352174, H67866, AW177728, AW367950, AA809122, AW179009, AW178911, C14344, AW177722, D51213, AW378540, AI910186, D80228, AI525923, D80064, AW178781, D80258, AI905856, C14227, D45273, C14973, C14046, T03116, AI525917, D58246, D81111, D59317, D80014, AA514184, AC004510, AC002384, U95626, AC006013, U88897, AC003013, AL050339, AC005145, AC004768, AL139054, AC005090, AC002530, AC006364, AC007207, AL121879, Z56740, AF058696, A84916, A62300, A62298, AB028859, AJ132110, AR018138, AR008278, A82595, D26022, AR060385, AB002449, X67155, A25909, AC004791, Y17188, A94995, Y12724, A67220, D89785, A78862, D34614, AR008443, I50126, I50132, I50128,</p> |
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| 1459 | HCRMK04 | 876404 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 517 of SEQ ID NO:1459, b is an integer of 15 to 531, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1459, and where b is greater than or equal to a + 14.</p> | <p>I50133, A43192, A43190, AR060138, D88547, AR066488, AR016514, A45456, I14842, A26615, AR052274, I82448, AR038669, X82626, Y09669</p> <p>AI057537, AI862687, AI686128, AW002455, AA875951, AI783596, AI050998, AI273307, AI374905, AI224513, AA460225, AI042000, AI610450, AI829581, AA75736, AI364904, AI698790, AA844090, R71519, AI860091, AI523843, AI767012, AI473515, AI350561, AW188551, AL119399, Z99396, AL119324, AL119457, AL119443, AL042544, AL134524, AL036418, AL038837, AW392670, AL037051, AL036725, AA631969, AW372827, AL039074, AW384394, AL119497, AL119418, AL036858, AL134920, AW363220, AL036924, AL119483, U46341, AL119319, AL038509, AL039564, AL039085, AL119396, AL039156, AL039108, AL039109, AL039128, AL119484, AL119363, AL119341, AL119391, AL119355, AL119335, U46350, AL119522, U46349, U46351, AL119496, AL037094, AL037526, AL039659, AL036196, AL036190, AL037639, AL042965, AL038531, U46347, AL042614, AL037085, AL119444, AL036767, U46346, AL037082, AL042975, AL119464, AL037205, AL119488, AL134533, AL119439, AL036268, AL039625, AL039648, AL045337, AL038520, AL134538, AL036238, AL134518, AL042984, U46345, AL038447, AL042909, AL039678, AL039629, AL134527, AL042433, AL039386, AL042551, AL134531, AL039423, AL037077, AL042970, AL043029, AL042450, AL043011, AL043019, AL037615, AL038851, AL042542, AL036998, AL036733, AL037178, AL043003, AL036765, AL036719, AL037027, AL039410, AL036679, AL036774, AL037021, AL036191, AR060234, AR066494, A81671, AR023813, AR064707, AR069079, AB026436, AR054110</p> |
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| 1460 | H2CBFI3 | 876405 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 593 of SEQ ID NO:1460, b is an integer of 15 to 607, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1460, and where b is greater than or equal to a + 14.</p> | AA307313, AA312913, AI203434 |
| 1461 | HKCSO44 | 876408 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 107 of SEQ ID NO:1461, b is an integer of 15 to 121, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1461, and where b is greater than or equal to a + 14.</p> | |
| 1462 | HWLKU83 | 876409 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 692 of SEQ ID NO:1462, b is an integer of 15 to 706, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1462, and where b is greater than or equal to a + 14.</p> | AW014464, AA693558, N74561, AI024015, AA332850 |

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| 1463 | HE9RM22 | 876418 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1751 of SEQ ID NO:1463, b is an integer of 15 to 1765, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1463, and where b is greater than or equal to a + 14.</p> | <p>AI492422, AI357898, AW296940, AA931635, AW296456, AI038836, AI265919, D59291, AA694009, AA700680, H06163, H66881, R23681, T86478, T86479, H81425, AI016343, Z38898, T16577, Z42746, Z42275, T89377</p> |
| 1464 | HCRPQ93 | 876419 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 461 of SEQ ID NO:1464, b is an integer of 15 to 475, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1464, and where b is greater than or equal to a + 14.</p> | |
| 1465 | HPDDL36 | 876420 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 184 of SEQ ID NO:1465, b is an integer of 15 to 198, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1465, and where b is greater than or equal to a + 14.</p> | <p>AA366524</p> |

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| 1466 | H2CBM09 | 876422 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 500 of SEQ ID NO:1466, b is an integer of 15 to 514, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1466, and where b is greater than or equal to a + 14.</p> | AA307727, AL121460, Z56847, Z57345 |
| 1467 | HKCAA10 | 876425 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 635 of SEQ ID NO:1467, b is an integer of 15 to 649, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1467, and where b is greater than or equal to a + 14.</p> | AA192455, AW294111, AA707196, AI924499 |
| 1468 | H2CBI25 | 876426 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 465 of SEQ ID NO:1468, b is an integer of 15 to 479, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1468, and where b is greater than or equal to a + 14.</p> | AA307505, AA360083 |

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| 1469 | HKISB80 | 876427 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 385 of SEQ ID NO:1469, b is an integer of 15 to 399, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1469, and where b is greater than or equal to a + 14.</p> | AA718982 | <p>AA307365, AW009512, AI609285, AI659851, AA301898, AI671626, AI818892, AW025713, AA490857, R40307, AA700491, AI273067, AA834371, AI368173, AW316631, C05075, AA480122, AA348046, D59610, AA089704, D80241, D59467, Z21582, D80212, D80045, D59859, D51423, D80188, D80166, D58283, D81030, D59619, D80210, D51799, D80240, D80253, D59889, D80195, D80038, D80022, D80219, D80043, D80391, D59275, D57483, D59787, D80227, D59502, D80366, D80196, D50995, C14331, D80164, D59927, D80269, D50979, D80024, D80193, D80378, C14389, C14014, C15076, AA305409, D51060, C75259, T03269, D58253, C04935, AW178893, F13647, D80134, D59695, D81026, D80268, D51250, D80522, D51022, D80949, AW179328, AW352158, AW378532, AW177440, AA305578, D80168, AW369651, D80248, D51079, D81111, D80251, C14227, D52291, AW178762, AA514188, C14298, D80133, AA514186, C14407, AW360811, AI557751, AW378540, D51097, C05695, AW375405, AW360834, AA285331, AW377671, D80132, AW366296, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, D80439, AW178905, AW179024, D80302, D59373, AW179020, AW177456, AW352171, AW377676, AW178906, AW352170,</p> |
| 1470 | H2CBE84 | 876428 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 446 of SEQ ID NO:1470, b is an integer of 15 to 460, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1470, and where b is greater than or equal to a + 14.</p> | | |

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| 1471 | HSEBD08 | 876431 | <p>AW177731, AW178907, AW178754, AW179019, D80247, D58101, D80014, AW179004, AW179012, D51759, AW178980, AW177733, AW378528, AW178908, AW179018, T11417, H67866, T03116, D80157, AW178914, AW178781, AW378525, D51103, D59627, C06015, AI557774, AW352120, AW177728, AW178774, AW178911, AW378543, AW352163, D80258, D59653, D45260, T02974, D59503, D51213, T48593, H67854, AI525235, H67858, C03092, AW378533, AA809122, AW367950, D80064, AW178986, AI525923, D58246, C14957, D59551, AA514184, AI525917, D50981, D45273, D59474, C14344, D51221, D59317, D80228, C14973, AI525920, C14046, D60010, AI535686, AI525912, AI525227, AI525215, AC002036, A62298, AJ132110, A84916, A62300, AR018138, D88547, D34614, X67155, Y17188, D89785, D26022, A25909, A67220, A78862, AR008278, A45456, X82626, AF058696, AB028859, AR025207, Y12724, AB012117, X68127, AR066482, A85396, A82595, A44171, A85477, A94995, I19525, A86792, U87250, AR060385, X93549, AB002449, AR008443, AR016808, AR064240, I50126, I50132, I50128, I50133, A30438, AR066488, AR016514, AR060138, A26615, AR052274, Y09669, A43192, A43190, AR038669, I14842, AR054175, AR066487, I18367, AF135125, Y17187, A63261, D88507, AR008277, AR008281, D50010, A70867, AR062872, AR016691, AR016690, U46128, AR008408</p> <p>AA781174, AW242810, AI888669, AI572847, AW301246, AA773636, AA053054, AA112389, AA053397, AA699864, AA112388, AA974581, AI524767, AW377081, AW016549, D62897, AA954644, AA169505, AW377047, AA092662, AW362046, AA629163, S72869</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1993 of SEQ ID NO:1471, b is an integer of 15 to 2007, where both a and b</p> |

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| 1472 | HPMFM22 | 876432 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1471, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 386 of SEQ ID NO:1472, b is an integer of 15 to 400, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1472, and where b is greater than or equal to a + 14.</p> | R42236, AI268027 |
| 1473 | HDHEB14 | 876435 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1264 of SEQ ID NO:1473, b is an integer of 15 to 1278, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1473, and where b is greater than or equal to a + 14.</p> | AI913961, AA621915, AI768685, AW009951 |
| 1474 | HAIDH43 | 876436 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 461 of SEQ ID NO:1474, b is an integer of 15 to 475, where both a and b</p> | AI744435, AA725348, AI910436, AA771917, AW275132, AI915670, AI217575, AA772389 |

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| 1475 | HJAAAL27 | 876440 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1474, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1475, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1475, and where b is greater than or equal to a + 14.</p> | AA354378, AA397949, AA007514 |
| 1476 | HA5ABI4 | 876441 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1005 of SEQ ID NO:1476, b is an integer of 15 to 1019, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1476, and where b is greater than or equal to a + 14.</p> | AI381990, AA523925, AI381991, AI673419, AA535262, AI990950, AW369662, AI272934, AI150565, AW316722, AI142707, AW338227, AA487031, AA486591, AI968726, AA614168, AA632457, AA122026, AA482527, AA512956, AA658276, AA541675, AA451748, AI677810, AI587642, N64192, AI250993, AA424310, AI905464, AA229168, AA122025, AL035551 |
| 1477 | HWLNS47 | 876444 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 843 of SEQ ID NO:1477, b is an integer of 15 to 857, where both a and b</p> | AA279461, R59258, T80331, Z45041, FI3132, T75390, AA099543, AA669197, H08922, H57648, AW304022, AA304745, W79474, AW118919, R59760, W86555, R18710, AF083033, AR028451, AF072860, Z84477 |

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| 1478 | HE8U103 | 876447 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1477, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2757 of SEQ ID NO:1478, b is an integer of 15 to 2771, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1478, and where b is greater than or equal to a + 14.</p> | <p>AW340972, AI763378, AI745530, AI400359, AA634799, AW373755, AA406542, AW008882, AI379597, AW373615, AI858439, AI380423, AI628029, AW074041, AI538874, AW189012, AA857364, D82303, AA224830, AA132792, AA224831, AA524982, AW364047, AI678604, AI142902, AA133068, D82445, H39906, AA593133, AA644624, AA888921, AA411736, AI992380, AI679729, AA904079, AA494400, AA577041, AI282492, AI640743, AW074288, AI535647, AA551421, AA336073, AA505483, AI469669, AI284099, AI284098, AI201463, AI872908, AI610272, AA829570, AI290109, AI903549, AI903561, AI611723, T11347, AI903513, AA337475, AI567336, AI925611, AW389340</p> |
| 1479 | HDTLK03 | 876448 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2051 of SEQ ID NO:1479, b is an integer of 15 to 2065, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1479, and where b is greater than or equal to a + 14.</p> | <p>AA442527, AW262626, AW391549, AW304931, AI669606, AI858160, AA085664, AA659697, AI632828, AA134338, AA984772, N22162, AA085613, AW197240, AW129348, W26560, AI311237, AI336661, AI343171, AW274348, AA581646, AI344929, AA935005, AI017643, AI335437, AA847210, AA730055, AW268074, AW089030, AI382955, AA662650, AW193002, AA648105, AI933533, AA782687, AA389680, AA334191, AW370221, AA373813, AI914719, N71529, AA186588, AW363311, AA373153, AA120820, D20893, AI557148, T24490, AA249060, AI741448, W73136, W73116, AI251367, AF086334</p> |
| 1480 | HMTBC69 | 876451 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>D50810, U62768, U62769, U32990, U76997, AJ131025, AJ131026, AJ131027, AJ131028</p> |

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| 1481 | HMUBP81 | 876452 | <p>the general formula of a-b, where a is any integer between 1 to 706 of SEQ ID NO:1480, b is an integer of 15 to 720, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1480, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1153 of SEQ ID NO:1481, b is an integer of 15 to 1167, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1481, and where b is greater than or equal to a + 14.</p> | <p>AI279547, AI083565, AI804064, AA252212, AA306506, AI083894, AW183913, AI288218, AA973053, AA252213, AI440455, N23315, AI300175, AW152434, AI864289, AI217669, N32475, AA825339, AI564974, AA765563, N23439, AA234876, AA235303, T47445, AA311785, AI147554, AA738131, AI560760, AA993026, T90472, AA573442, AI279529, AA193637, HI1688, AI937674, T47444, AA740441, D81882, H96821, T83136, AI219090, AA573498, AA371301, AA809694, AA193600, AA766413, AA258658, AA258659, C01339, AL008729</p> |
| 1482 | HAPOT58 | 876458 | <p>the general formula of a-b, where a is any integer between 1 to 2115 of SEQ ID NO:1482, b is an integer of 15 to 2129, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1482, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2115 of SEQ ID NO:1482, b is an integer of 15 to 2129, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1482, and where b is greater than or equal to a + 14.</p> | <p>AL037788, AI686047, AI753484, AI636777, AI861877, AI935355, AI144560, AI192999, AI806026, AA081086, AI140416, N52261, AI984946, AI126835, AI375382, N31999, AI431922, AI000687, AA281546, AI354844, AW368199, AI806020, AI192995, AA432212, AI796776, AI765555, AI436119, N62465, AA16953, AI392798, AA504837, AA993835, AI942228, N74643, AA962052, N31979, H80204, AI340563, AW025654, W95677, AI373352, AA928965, AA505730, AA598619, AA281547, AA455805, AI373515, AA919147, AI879179, AI656682, AI350119, AI143974, AA283875, AI810436, AI761126, AA456624, AA931610, AI634994, AI149059, H58033, AA282093, AI762032, AI867892, W39405, W15216, AA456424, AI493979, W26521, AI418808, W95891, AA470851, N92893,</p> |

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| 1483 | HCFLR18 | 876459 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of SEQ ID NO:1483, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1483, and where b is greater than or equal to a + 14.</p> | <p>H81006, AA136357, AA359333, N50738, AI309586, AA783008, AW293385, AA373138, AW363229, AI919006, T81361, W95965, AA283984, AA371258, AI589997, AA605260, AA370986, AI690377, AA359446, W73659, H78829, AA113788, AI761221, AI469943, AA609846, AI864350, W25612, R24652, AA360514, AI907228, AA831054, AA355628, H78428, AI473940, AA291183, AA745877, AA136269, T24969, AI693730, AA706077, N83393, AA070852, AI905829, AI587625, N88059, AW363223, AI559993, AA526788, AI216608, AW371352, AI634388, N79184, AW363222, AA594328, AA400847, AI209205, AA393670, H83189, AF161432</p> |
| 1484 | HDPAA38 | 876464 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 887 of SEQ ID NO:1484, b is an integer of 15 to 901, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1484, and where b is greater</p> | <p>AA807288, AL036653, AL036654, AI289925, AI291875</p> <p>AA873176, AA931378, AI218111, AI014843, AA379509, AL021155, AC004663, AC005379, AL096702, AF187320, AL117258, U95740, AC004797, Z95704, AC004636, AC005071, AP000952</p> |

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| 1485 | HCYBM66 | 876465 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 768 of SEQ ID NO:1485, b is an integer of 15 to 782, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1485, and where b is greater than or equal to $a + 14$.</p> | <p>AA116082, AA305687, C14014, D80269, D80227, AA809122, AA305409, C14389, D80391, D59787, D80196, D58283, D59859, D80022, C14331, D80166, D80195, D59467, D51423, D59619, D80210, D51799, D80164, D59275, D80240, D81030, D80253, D80043, D59502, D80212, D80188, C15076, D80219, D59927, D57483, D80366, D80038, D50979, D59889, D80193, D50995, D80024, D59610, D80378, H67854, T03269, C14429, AW178893, D80241, D80045, AW179328, D51060, AW177440, D51022, C75259, AW378532, AW369651, AA305578, AW178775, AW178762, D51250, AW352158, D80134, AI910186, D80251, D81026, D80248, H67866, AW177501, AW177511, AA514188, AW360811, F13647, D80522, C14227, D58253, AW352117, AA514186, AI905856, D80133, AW176467, AW375405, AW352163, D80168, AW377671, AW377676, AW360834, AW366296, C05695, AW352171, AW360844, D81111, AW360817, AW375406, C14298, AW378534, AW179332, AW378540, AW377672, AW179023, AW178905, D80064, D80268, C14407, D80132, AW352174, AW178906, AW352170, AW177731, AW178907, AW179019, AW179024, D80439, U91321</p> <p>AC008122, AL021808, AC007649</p> |
| 1486 | HPWAY46 | 876469 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 877 of SEQ ID NO:1486, b is an integer of 15 to 891, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1486, and where b is greater than or equal to $a + 14$.</p> | |
| 1487 | HLTAH77 | 876470 | <p>Preferably excluded from the</p> | <p>AI359524, AW003850, AI089719, AI359474,</p> |

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| 1488 | HWLXX39 | 876471 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1167 of SEQ ID NO:1487, b is an integer of 15 to 1181, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1487, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 491 of SEQ ID NO:1488, b is an integer of 15 to 505, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1488, and where b is greater than or equal to a + 14.</p> | <p>AI652055, AI948841, AI824819, R87348, F13369, T77492, Z43232, N50592, F11622, AA360610, F08357, AF035282</p> <p>AI879483, AA553761, AW363300, AW162358</p> |
| 1489 | HPTWG85 | 876472 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 637 of SEQ ID NO:1489, b is an integer of 15 to 651, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1489, and where b is greater than or equal to a + 14.</p> | <p>AI652564, Y17108, Z92544, Y17258</p> |
| 1490 | HE6BS09 | 876473 | <p>Preferably excluded from the</p> | <p>AL120741, AA573741, AW409804, AA191552, W93042,</p> |

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| | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2954 of SEQ ID NO:1490, b is an integer of 15 to 2968, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1490, and where b is greater than or equal to a + 14.</p> |
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| | <p>AW402618, AW409704, AA496304, AW073345, AW300845, AA744892, N39760, AW176264, AI498051, AA419262, AA932846, AA632390, AA504894, AI564499, AI128977, AA737814, AA419313, AA565758, N26317, AW291428, AA533063, AI375164, AA662704, AA935484, AA128486, AI266104, N32937, N42608, AA307525, AI272853, AI354318, AA565783, N35109, AA191421, AI091816, W24942, N62754, AA113164, AI139914, R35445, AI358925, AI524297, AA411740, AW169734, AA342234, AA864231, AI219732, R75982, AA506884, AA868134, N95815, AA952966, AA406562, AA422127, AI277114, AA568586, AI307129, AA552501, AA325046, R80092, AA296682, AA075972, AI660916, AA877488, T48678, R25740, T78250, AL079578, AA504946, AA923223, R76813, R27494, AA348004, AA694309, AI538662, H04698, AA337541, AA356674, T48679, AA738377, AA368983, AA074378, AA809882, AA588403, AI672899, T78083, N79702, R25658, AI202481, AA311735, AA112425, R27510, R32527, R28609, AA129797, R25647, AI364021, AA578870, AI864211, AL079579, AA665375, R79989, AA355436, R34256, AA368982, AA348005, AA327401, N43853, AA937676, AA876470, AA235504, AW166979, AA548792, AA337180, AI520916, AI684053, AA054425, AI866770, AA878790, AI890907, AI348854, AI608932, AW001426, AI358701, AI680498, AI554343, AI620639, AL038445, AI961589, AI758437, AA911767, AI611348, AW022682, AW131288, AA603709, AI288285, AI344935, AI310575, AL037582, AL037602, AI340533, AL042191, AI349645, AW268253, AI702301, AI345253, AW083175, AI349937, AI621209, AI345026, AI559531, AI554485, AW150804, AI340627, AI963846, AW303089, AI859429, AI335235, AA908294, AW105601, AI497733,</p> |

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| | AI307569, AI340511, AI263331, AL036980, AI559632, AI334930, AW004896, AL036904, AI345739, AI340659, AI343091, AI251221, AW074869, AI932638, AI247193, AI690813, AI634224, AW268072, AI335208, AW089275, AW302992, AA983883, AI872423, AI500588, AW169604, AW079336, AW026882, AI815232, AI310582, AW074993, AW129106, AI445131, AI335426, AI349957, AI348777, AW301300, AL041150, AW075207, AI312152, AI343037, AI310940, AI470293, AI889148, AW152469, AI690411, AI349226, AI345005, AI348879, AW075084, AI886206, AW058233, AI349614, AI343112, AW193134, AI307543, AI307210, AI312156, AI307708, AI349598, AW302988, AI859733, AI349256, AW167222, AI313320, AI345735, AI801460, AI620284, AW023338, AI432969, AW072588, AI307520, AW088805, AI249323, AI869367, AI334884, AW071412, AI207454, AI312325, AI343140, AI349971, AW089689, AW081797, AI783504, U49908, M30514, E02349, I48978, AL117435, X84990, AF118070, AF113699, AL049464, AL050277, X83508, AL049314, I89947, A08916, I03321, A08913, AJ238278, A08910, A08909, AF090943, AR029490, X63574, I89931, A08908, AL137521, AL133568, I49625, AL050393, AJ012755, AR038854, AF028823, AL133557, U49434, AR011880, AR038969, AL133016, A08912, I48979, X96540, AF113694, AF113690, AL080127, AL023657, AF158248, AI8777, AF079763, AL117457, E02221, X53587, AF090896, AF118094, AL049382, AF106862, AF113677, A90832, AL137550, AL117432, AL110222, AL137292, E04233, U58996, AB007812, AF017437, AF100931, AF118090, I42402, AF026124, AL050116, AL050092, U35846, AF008439, AL050172, Y10080, AL110197, AF111849, AL117649, |
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| 1491 | HERAM35 | 876474 | Preferably excluded from the | <p>AF090900, AF125949, S78214, AF061943, I26207, X82434, U67958, AL117416, E08631, U78525, AF104032, S75997, AF091084, AL049452, X70685, AL117583, A03736, AF113019, AF090934, AR034830, I96214, AF215669, AL137478, AL110196, AL110280, A07647, AL137558, AL050138, AL133072, AL137480, U91329, A08911, AL049300, AL049466, AF183393, AL133081, Z37987, AF162270, U00763, AL137429, I09360, AL050024, AL080124, AL133098, AL117460, AL117585, AL096744, AF026816, U42766, AL080154, AJ242859, X52128, AL049465, AL080158, I00734, Y07905, E12747, X72889, AL133560, A58524, AL080074, A58523, AL122110, AF003737, AF100781, AL137526, AL137523, AF097996, AF051325, E06743, AF132676, AF061836, AL110225, M86826, AL133665, Y09972, AL050108, AL137488, AF106657, AL133113, AF113013, AL080234, AL133565, AF061573, AL137463, I89934, I89944, AL080086, AF078844, Y10655, AR020905, AL122093, Y11254, AL133080, A77033, A77035, AF087943, AL133640, AL137271, Z72491, AF111851, AL110221, AF090903, AF125948, AF113676, I66342, AL137533, A08915, E15569, AF185576, U80742, AL117394, AL050155, S79832, AF022363, AL122121, AF032666, D83032, AF119337, AR013797, I80064, AL122049, Y16645, AF067728, A65341, AL049283, AJ000937, AL049430, I33392, AL137560, Z82022, AF153205, A93350, I09499, L31396, U68387, AL133077, AF177401, S68736, AL137705, AF090901, AF139986, X65873, AF079765, L31397, AF081195, AL137476, AL122123, E08263, E08264, E07361, A93016, S61953, A21103, AL137459, X00861, AF126247, AF118064, AL133558, X87582, AL122050, AL137529, AF061795, AF151685, A12297, AF057300, AF057299, AL110171, AL080060, A08907, AF113689, AF017152, AL133075, AR068751</p> |
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| 1492 | HFIUG54 | 876475 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1491, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1491, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1211 of SEQ ID NO:1492, b is an integer of 15 to 1225, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1492, and where b is greater than or equal to a + 14.</p> | AA604375, AI096476, AI627324, AI623783, AW270881, AW176260, AA420479, AW263721, AI433858, AI888162, AW001768, AW190261, AW300137, AW166776, AI017162, AI034411, AW169112, AI493585, AA035308, AI400980, AI269743, AI086151, N20484, AA905363, AI244728, AW148617, AA126992, AW370989, AA490959, AW339199, N34406, AW391594, AA480346, AA970535, AA548169, N24599, C02570, AW380443, AA582926, H42703, AW105105, AA570014, AW026638, AA256814, AA364778, AW020880, Z41211, AI536061, AA035307, AA420478, H24299, AA678544, AW391563, AW339527, AA065097, AA613111, AI925770, AW391562, AA191512, D51223, D62210, AA847993, AA652779, AI750126, N75648, AI436629, N51447, AA743305, AL117597 |
| 1493 | HE8CX56 | 876476 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2284 of SEQ ID NO:1493, b is an integer of 15 to 2298, where both a and b correspond to the positions of</p> | AI693062, AI936680, AI638780, AW130947, AI203659, AA969048, AA730307, D61225, AL041011, R49279, H64578, AA249856, AA120957, H64682, D81623, AL040722, N56191, AW265781, AA082593, AF029343 |

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| 1494 | H2LAQ54 | 876480 | <p>nucleotide residues shown in SEQ ID NO:1493, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 375 of SEQ ID NO:1494, b is an integer of 15 to 389, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1494, and where b is greater than or equal to a + 14.</p> | <p>AW068683, AA314376, D80193, D80227, D59619, D80210, D80240, D59467, D80195, C14389, D59502, D80164, D59275, D80038, D80219, D80269, D58283, D51423, C14331, D59859, D80022, D80166, D51799, D80391, D80253, D81030, D50979, D80043, D59787, C15076, D80378, D80212, D80196, D80188, D59927, D59610, D57483, D80366, D50995, D59889, D80024, AA305409, T03269, D80241, D80045, AW178893, C75259, AW178775, C14014, AA305578, AW179328, AW177440, D51022, AW352158, AW378532, D80522, D80134, D51250, D52291, AA514188, D81026, AW178762, AW177501, F13647, AW177511, AW352117, D80251, D80168, D80248, D58253, C14298, Z21582, C14227, AW360811, D81111, AW377671, AA514186, D80133, AW378540, D80064, AW375405, C14407, AW366296, D80132, AW360817, AW375406, D80268, AW378534, AW352171, AW179332, AW377672, AW179023, AW377676, AW178905, D51097, AW178754, AW179024, AW179020, AA285331, AW177456, D80302, AW178906, AW352170, AW177731, AW360834, AW178907, AW179019, AW179018, AW352174, D80439, D80247, AW378528, AW178908, AA102166, C14077, T11417, AI557751, AW178914, AW178781, AW378543, AW378525, D51103, AW178774, AW352163, T03116, D80157, AW378539, D80258, D59503, D58246, D80014, T48593, D59627, C06015, D58101, AW378533, AI557774, D45260, AW367950, AW178986, AI525923, H67866, D51213, D45273, T02974, AA809122, C03092, H67854, D80228, T03048, AW179013, D59317, AI525917, AI535686, C14344, C14973, D51221, AI525920, D59474, D59551, AA514184, AI525227, H67858, Z30160, AI535961, AW378542, U70370, AF009649, U54499, U71206,</p> |
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| 1495 | HWABG32 | 876481 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1386 of SEQ ID NO:1495, b is an integer of 15 to 1400, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1495, and where b is greater than or equal to a + 14.</p> | A84916, AJ132110, A62300, A62298, AR018138, Y17188, X67155, D26022, A25909, A67220, D89785, A78862, D34614, D88547, AF058696, AR008278, X82626, AB028859, AR025207, Y12724, AB012117, A82595, AR066482, A94995, X68127, AR060385, AB002449, AR008443, A85396, A44171, U87250, A85477, I19525, A86792, I50126, I50132, I50128, I50133, X93549, AR066488, AR016514, AR060138, A45456, A26615, AR052274, Y09669, AF009648, A43192, A43190, AR038669, I18367, AR066487, A30438, D88507, I14842, AR054175, D50010, Y17187, A63261, AF135125, AR008408, I79511, AR062872, A70867, AR008277, AR008281, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, AB033111, AR064240 AA873178, AW340076, AA453258, AA453359, AI200335, AI189856, AI127354, T57079, AA031327, AI096450, AA948375, AA031328, AA977624, AA994405, AI148795, AI340956, AW014990, AI652909, AI160243, AW026239, AI093526, AA923811, AI091630, AI365268, AW380222, AI367151, N32402, AA583097, N56822, AA579988, AI343747, H12681, AI825678, AW197534, T29148, F08275, AI468467, T95661, T82166, T57151, AI880292, T81821, F04505, AA481266, R41605, AW372903, AA662708, AW130992, AI818777, AA764938, X14356, L03418, X14355, L03419, M91645, M91646, M91647, M82819, L03420, M63835, M91555, M91554, M63834, S45709, M91552, S45707, M63832, M63833, M91553, M91550, M63830, S45704, S79667, A37858, AL133558, AF070643, AJ001388, AL109725 AI026945, AI808573, AI620239, AA948677, N53940, AW249558, AI096948, AA159915, AI095014, AI871045, AI950931, AA455901, AW009419, AI149374, AA024477, AI433743, AA428948, |
| 1496 | HMTBE05 | 876483 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | |

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| 1497 | HKABL05 | 876484 | <p>the general formula of a-b, where a is any integer between 1 to 1470 of SEQ ID NO:1496, b is an integer of 15 to 1484, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1496, and where b is greater than or equal to a + 14.</p> | AA039950, AA165025, AI884373, AI149074, AI184801, AI188603, AI937231, AA024476, AI469664, W26293, AA831823, AI766893, AA830218, AA476574, AA040001, AW404545, AA455902, AA027936, AI566799, AA582203, R15907, AA422121, AI879131, T34650, Z43817, AA738453, AI220916, N59030, AI419568, AI300117, AA738075, AI967928, Z39886, AW071642, AA863299, AA877869, AI382238, AI149361, AW169605, AA483840, AI436690, AA448896, AI800263, AI831898, AI262999, AI984945, AI915652, AI701265, AI344209, M79093, AI829004, AA028041, AW408623, AI982982, AI202924, AW246104, T66533 |
| 1497 | HKABL05 | 876484 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2178 of SEQ ID NO:1497, b is an integer of 15 to 2192, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1497, and where b is greater than or equal to a + 14.</p> | AI740522, AI309318, AI376662, AI741390, AI742840, AA679083, AI765150, AW002945, AW192895, AA001262, AI052703, AA648295, AI929375, AW157334, AI799150, AA577690, AA909347, AA608744, AI879998, AI421323, W55919, AW373539, W84527, AA947742, AA861283, AA065133, AW168112, AA460061, AI300565, AW204198, AA155821, AW104051, AI800773, AI193965, AA101195, AI582368, AW057835, AI348116, AA527861, AW009823, AW029295, AW022530, AA708118, AW238854, AI452699, AI016610, AA669337, AA480279, AA278360, AI749692, AI160871, AW130090, AA744919, AA760760, AW007135, AI275625, AI057288, AI494111, AA831711, AA687284, AI815697, AI374689, AA155925, AI862854, W55920, AI367891, W04222, AW272692, AA628638, AA707011, AI800064, AA043251, AA160009, N62094, AI671739, AA292750, AI052618, AW166814, AA152365, AI475145, N78325, AA001852, AI952464, AI953334, AI346774, AI243902, AI271553, AI637742, AA514862, AA025382, AA484277, AI288842, AI311020, N50975, AW027908, AA132226, AI436690, AI130684, N74257, |

AI198852, AI354226, AI969402, AI026752,
AA453035, AA668696, AI090673, AA971631,
AA984913, AW264660, AI798057, N93127, AL120009,
AA628641, AA281226, AA922510, AW163390,
AA161457, AA187227, AA764824, AI521457,
AW439109, AA088421, AA722831, N23855, AA807549,
AA043590, W67807, AA026016, AA494441, AA179097,
AA565588, AA065202, AA928577, AA633795, W15314,
AI886794, W84515, AI797422, AA120907, AA046354,
AA788597, AA083453, AA765379, AA009957,
AI190992, AA284411, AA857371, AA459969,
AA741542, AA001988, AI206746, AA160010,
AA586336, AW235920, AA010759, AW075660,
AA131616, AA046070, AA247207, AA002267,
AW020230, AI123351, AA281235, AA426610,
AA780786, AI825394, AA083357, W73815, AI439077,
AI434359, AI695507, AI344209, W69764, W60465,
AI281441, AA568376, T63795, W38654, AA028052,
AI826611, AI800263, AW270667, AI370333,
AW117628, W52413, AA127865, AW439098, T64108,
AA164988, AA211263, AA278324, AA327661, C15972,
W78007, AA011120, T47065, T34888, AA204925,
AI758966, N66464, AA491375, AA292539, AA127890,
AA845300, AA092473, D54180, AA827429, AI984945,
AI074775, AW341620, AW438482, N99121, AA054675,
AA226936, T94385, AA126323, AA227046, AI559910,
AA574112, AI290025, AA355027, AA460014,
AW050391, AA926777, AA373413, AA356295,
AA621388, AW009092, AA301008, AA482700, T64028,
AA332547, T35591, AA205052, T63820, AA738461,
AI000546, N33952, T57017, AI887555, AA365643,
AA147057, AA428948, AA448896, AA211143, T51962,
R15907, AA131382, AA142894, T30133, AB030905,
AC005841, Z84488, U26312, U95740, AF063304,
AB005618, X56683, A75245, AL023775, D28877,
U09120, AF086270, T47064, T52042, R36239,

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| 1498 | HOCTA74 | 876487 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 671 of SEQ ID NO:1498, b is an integer of 15 to 685, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1498, and where b is greater than or equal to a + 14.</p> | <p>N38911, N46485, N58965, W39742, AA028051, AA128181, AA132330, AA147058, AA152387, AA186506, AA278995, AA278348, AA525751, AA525773, AA525871, AA661828, N56031, C00146, AA091857, AA095676, AA170857, AA398724, AA665715, Z19940, AA732979, Z18797, AA991829, AI001836, Z39146, AI341188, AI566368, AI652212</p> <p>AI302800, AW118693, AI808667, AI065036, AW080952, AA862461, AI201847, AI138543, AI015998, AA865819, AA470462, AA454546, AI221895, AA481881, AI039771, AA535254, AA482063, AI301489, AA551867, AI018725, AL121442, AI244932, T88913, AI914566, AI017732, AI016693, AI833052, AA608575, AA120921, AA120922, N57711, AW151576, AI572464, AW303732, AI471156, R85699, H60433, AA890675, AI262997, AA620388, T47276, AA534566, AI625454, AA852619, AA889211, AA707578, AI718799, T47275, AI124998, AA477467, H88225, AA680222, H66348, N63309, AA131070, AA131015, AI474581, AI561334, AW392670, Z99396, AW372827, AW384394, AW363220, AL119497, AL134528, AL119443, U46341, AL119457, AL119319, AL119363, AL119341, AL119496, AL119324, AL119355, AL119483, AL119484, AL119391, AL042965, AL119335, U46350, AL134920, AL119522, AL119396, U46351, U46349, AL119418, U46347, AL119444, U46346, AL037205, AL134902, AL042614, AL119439, AL042975, AL119399, AL042551, AL119401, AL134518, AL134524, AL043029, AI142132, U46345, AL042984, AL134531, AL134538, AL134525, AL042450, AL043019, AL134536, AL037051, AL036725, AL042970, AL119488, AL042544, AL042542, AL043003, AL119464, S79219, X14608, M22631, M26121, AL122056, A81671, AR066494, AR060234, AR054110, AB026436, AR069079</p> |
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| 1499 | HWLUU48 | 876490 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1035 of SEQ ID NO:1499, b is an integer of 15 to 1049, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1499, and where b is greater than or equal to a + 14.</p> | <p>AA099027, AI887335, AI887905, AI694672, AI566740, AW086500, AI222690, AI686357, AW085264, AI590636, AA411391, AI431702, AI383310, AA436251, AI913708, AI015064, AA453266, AC004190, AP000516, AB014087, AL020989, AC007100</p> |
| 1500 | HULAJ15 | 876491 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1004 of SEQ ID NO:1500, b is an integer of 15 to 1018, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1500, and where b is greater than or equal to a + 14.</p> | <p>AI991884, AI872008, AI660228, AW167205, AW084525, AA601542, AI859727, AI818462, AW080935, AI687318, AA552217, AA621566, AA886903, AA706568, AI379184, AW000876, AI569542, AI860861, AI887280, AI653757, AA461121, AI554798, AI016349, AA622753, AI332503, AI246460, AI332793, AI144192, AA460819, AA563883, AA455216, AA621675, AA862530, AA858222, AA581826, AI806046, N35715, AW328329, AI262551, AI204029, AI149450, AW071084, AI289219, AA609900, AA927266, AI707484, AI095745, AA618130, AI721109, AA931503, AI440027, AI275080, AI299248, AI276688, AI750085, AA088417, AA304654, AI262552, AI688181, AI282807, AW294666, AI335810, AI748980, AI335786, AA088540, AA420995, AI355863, AA102237, AA070673, AA595597, AI750051, AI749025, AI811127, AI086655, AI278320, AA443973, AI080248, AI367574, AA421075, AA052939, AI418137, AA902863, AI265947, AA931116, AA430411, AA251968, AI355088, AI290353, AW305028, AI005354, AI367787, AA913300, AA053492, AW008828, AI355089, AI890124, AA564009,</p> |

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| 1501 | HSYAJ64 | 876494 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2017 of SEQ ID NO:1501, b is an integer of</p> | <p>AI359453, AI282383, W45582, W52209, AA102236, T67787, AI368584, AI382940, AA846519, AI095153, AA578680, AA838282, AA879315, AA305607, AA430359, AI095598, AI708067, AI383117, T67711, AI720469, AA879062, AA186928, AA494466, AI832504, H79930, AA417983, W45545, AA469124, AA526593, AI719480, AI832612, AA420865, AI041840, AA305069, AI244411, AW088865, AI264706, AA242885, N35628, AA858264, H62987, AI460162, AA865264, AA418153, AI435908, AA353482, AA740793, AI310701, AI143647, AA320588, AI541426, AI581554, AA420466, AI472533, AA188357, AI888688, AA373467, AA630328, T61575, AA330716, AI460166, AI381692, R44192, AA444156, H62866, H96297, AI131189, T29504, AA193634, AI217206, AA102029, AA136055, AW028629, AA853950, AA294960, AA330845, AI582088, W79666, AA377021, W74128, AA370626, AA876408, AI000545, AI749041, R02407, AA102028, AA126713, R23407, U46351, AA193598, AI581181, AW082579, T61023, H96296, W24691, AI431603, T82007, AI123178, R02308, AA216169, AA469193, N26519, AA576977, AI858582, N93058, AI361535, H79833, R63786, H57907, AB006780, M36682, M35368, M57710, AR036975, S59012, L23429, X78879, U06470, X16834, J02962, J03723, X16074, AR036976, L08649, AF031422, AF031425, M33215, AF031424, AF031423, AL133655, AL121593, U89295, A59344, M27260, AL122093, AL117599, AL133015, AA773574, AI870173, AI090858, AA599163, AA205487, AL134981, AA308686, AW247784, AW377280, AA581816, AI435156, AA599212, AA164748, AI499069, AW148604, AA181056, AI828823, AA160573, AA894927, AA446427, AA308175, AA314621, AA812415, AW377338, AA307680, AW377313, AA315193, AA514946,</p> |
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| | | <p>15 to 2031, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1501, and where b is greater than or equal to a + 14.</p> | <p>AA948141, AA652118, AI090292, AA435521, AI342258, AI240388, AA205318, AA243054, AA768432, AI082283, AA024693, AA456625, AI911813, AI363735, AA446119, AA652124, AA424926, AI263712, AA024647, AA205575, AI004571, AA630601, AA307175, AA164747, AI042562, AI934643, AI341665, AA313490, N75485, AA207213, W91894, AA426166, AA307366, AI433060, AA307046, AA195483, AA252561, AA527990, AA989506, AA223574, AI270387, AA243053, AA455806, AA307677, AA403863, AA315014, AA159366, AA157555, AA158206, AI568188, AI028221, AI445024, AA927196, AA307925, AA649534, T28878, AI085919, AW392054, AA776680, AI672839, AA312108, AA376260, AW392206, AA654257, AI865398, AA347324, AA626750, AA219493, AI630717, AA307419, AA662020, AI510831, AA442877, AA350306, AA362375, AI935046, AA152328, AI305172, W05296, AI278536, AI308922, AA053461, AA053213, AA135056, AA186979, AW173202, AW377352, AA206750, AA608732, AI025236, AI719108, AA325720, AI922470, AA223615, AA152329, AA626448, AA649822, AA300684, AA362586, AA626522, AW377293, AA315660, R14052, AA333552, R37150, R15974, AI569355, AA190772, AA362376, AA593069, AA921347, AA316929, AA180011, AA134971, W95113, AA978212, AI932667, AA040890, AA830424, AW383641, AI632334, AA947203, AA326527, AA629781, AW383640, AA954366, R05778, C21408, R05864, AW392327, AA191382, AA322735, H55311, AW383658, R15975, AA410508, AA995270, AA160528, AA219455, AI703040, AW104153, M27396, M15798, M27838, X52130, U07201, U07202, U38940, AC005326, L35946, M27054, L35936, L35937, L35938, L35945, L35940, L35941, L35942, L35939,</p> |
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| 1502 | HETIF19 | 876495 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 149 of SEQ ID NO:1502, b is an integer of 15 to 1463, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1502, and where b is greater than or equal to a + 14.</p> | <p>L35943, L35944, L35935, T66600, T66601 AA926696, H16874, AW376009, AA313468, R23401, N35321, R13283, AW152493, AI027550, T11328, AR036119, X92689, U70538</p> |
| 1503 | HLVEA23 | 876496 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 556 of SEQ ID NO:1503, b is an integer of 15 to 570, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1503, and where b is greater than or equal to a + 14.</p> | <p>AW161801, N56973, N73756, AA479038, D44982, N81193, W65438, H25021, N22293, N47355, AA973373, AA477521, AA595499, AA838190, AW172858, AI887235, AL134275, T59612, AW169038, AA847980, AI002744, H02058, AI590442, AB014528, AC005062, AL135783, AL117258, AL133163, AL137100, AC004859, AL035410, AC004067, AC002349, AC005725, AF205588, AC008033, AC004887, AL049589, AC002412, AF130249, AC005261, AC007488, AL033533, AC005722, AC007011, AC006547, AC006080, Z98304, Z84469, AC005664, AF031078, AF030876, AF031076, Z95152, AC004019, AC005280, Z69907, AC006213, AC007238, AL049569, Z93016, AP000344, AL031597, AC004605, Z82203</p> |
| 1504 | HAPQU61 | 876498 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 484 of SEQ ID NO:1504, b is an integer of 15 to 498, where both a and b</p> | <p>AI949815, AI813450, AI819294, AI269353, AA421819, AI089074, AA834705, AA847960, AI559836, D31784</p> |

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|------|---------|--------|--|---|
| 1505 | HE8OT93 | 876499 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1504, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2047 of SEQ ID NO:1505, b is an integer of 15 to 2061, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1505, and where b is greater than or equal to a + 14.</p> | AA486504, AA133234, AI339710, AA743093, AI688621, AI096844, AA129712, AI860744, AI420708, AI278953, AI278568, AW006666, AI571986, N68247, AI358873, AA314945, AA341071, AI346152, AI219397, AA488692, AA148150, AI362046, AW050985, AI090396, R60368, AA626449, AW272569, AA308535, AI471517, AW135592, AW205875, R60312, AI590397, AI078709, N39886, AA557504, AA970783, AI419556, AA338145, AA534362, AA351801, N26928, AA143763, AA557513, H87951, N57132, AW051845, AW394065, H95626, AA309736, AW204673, AI457186, AA376417, AA570135, AI805191, AA376416, AA310109, N68052, H95981, AI049818, Z21567, AA079141, AW389275, AL049742, D86997, D88269. |
| 1506 | H2LAB08 | 876503 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2382 of SEQ ID NO:1506, b is an integer of 15 to 2396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1506, and where b is greater than or equal to a + 14.</p> | AI911983, AI927427, AI889004, AI693602, AL045565, AI767631, AI150323, AA576743, AI201732, AA811424, AA436321, AI890062, AA812674, AI348111, AA776471, AA904047, AI909133, AA262396, AI909125, AA827237, AW084600, AI890814, AA778086, AI708713, AA436197, AI580236, AA313219, AI926738, AA550977, AI819536, AA688044, AA252436, AA307642, AI569986, AI174417, AA251902, D19596, AI687789, AW029076, AA305817, H93729, AI000199, AA232315, AI346715, AW275185, AI273086, AA689252, H02731, H04075, H88463, AI678322, AA541528, AI474632, AA651878, AA307939, AA378903, AI934157, AA243609, AI267661, AA525290, AI824311, R37260, R59445, AA378902, D61809, AA361618, R12332, AI341322, R23315, R70591, R59386, AA336382, AA831575, R75944. |

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| | | | <p>H00410, AA354320, AA602417, AI567956, D79295, N87729, H03382, H01205, R31246, H00817, R39541, R92975, AL045564, D58065, AA730991, C16596, C16509, AA580841, AA383636, AA296630, D62972, D82320, AW073685, AI364834, AA598715, AI355779, AI289791, AI539800, AI500714, AI355008, AI866469, AI434242, AI539771, AI889189, AI815232, AI537677, AI371243, AI582932, AI582912, AI927233, AI433157, AI612913, AI491710, AI366900, AI804505, AI610362, AI434223, AL039390, AI440239, AI863197, AI924051, AI366910, AI539847, AI521596, AW074057, AI932620, AL040207, AI590043, AL042944, AI567935, AI539260, AI866465, AI801325, AI500523, AI538850, AI887775, AI537187, AI923989, AI284517, AI872423, AI500706, AI445237, AI491776, AW151138, AI521560, AI500662, AI284509, AW172723, AI440263, AI538885, AI889168, AI866573, AI633493, AI434256, AI805769, AI888661, AI284513, AI888118, AI285439, AI859991, AI436429, AI889147, AI623736, AI581033, AI371228, AI440252, AI431307, AI440238, AI567971, AI866786, AI860003, AI610557, AI431316, AI242736, AI828574, AI887499, AI537273, AI539781, AI539707, AI702065, AI885949, AI285419, AW089557, AI559957, AI521571, AI469775, AI866581, AI567953, AI815150, AI446495, AI867068, AI225248, AI610426, AI567940, AI282264, AI926593, AF035293, AF081281, AF052112, AF077198, AF077199, D63885, AC004062, U97146, AR028701, U97147, U97148, U89352, AC004548, AL133074, Y17793, AL133076</p> |
| 1507 | HISBB72 | 876504 | <p>Preferably excluded from the present invention are one or more</p> |

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| 1508 | HCHBN47 | 876507 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1139 of SEQ ID NO:1507, b is an integer of 15 to 1153, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1507, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 638 of SEQ ID NO:1508, b is an integer of 15 to 652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1508, and where b is greater than or equal to a + 14.</p> | <p>AI288864, AA933871, AW379374, R55964, AA741334, AI422503, AI884993, AI422504, R55965, AA515979, U41901, AR030574, AR030579, AR030578, AR030581, AR030575, AR030577, AR030580, AR030582, AR030589, Z94719, Z94720, Y08171, Z94718, AR030590, AR030583, AR030587, AR030584, AR030585, AR030588, AR030586, AR030591, AR030592</p> |
| 1509 | HFADJ29 | 876511 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1216 of SEQ ID NO:1509, b is an integer of 15 to 1230, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1509, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1216 of SEQ ID NO:1509, b is an integer of 15 to 1230, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1509, and where b is greater than or equal to a + 14.</p> | <p>AI114564, AI064937, AI207577, AW024388, AA167328, AI357366, AI826158, AI656065, AA890501, AA314294, N72119, AI368841, N25212, AI796295, AI215697, N48787, AI066435, AA171687, AA043292, AI270341, AI191607, AI632032, AI873864, AA508855, AI828826, AA996333, AW192143, AI298715, AI872218, AI687959, AI753230, AI926791, AI436234, R74567, AA828059, AA640994, AI801845, AA644673, AA492531, AI219265, AA043291, R76364, AI695300, H03697, AI628314, AI302487, AA147569, R62982, AA312605, H00964, AA305334, AA156441, AA370497, AA333089, R97205, AA657712, R63037, R76689, AA769559, AA761876, AA167149, H64689, H65183, H00965,</p> |

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| 1510 | HWLQP42 | 876513 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 999 of SEQ ID NO:1510, b is an integer of 15 to 1013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1510, and where b is greater than or equal to a + 14.</p> | <p>C03639, AA361522, AA370109, AW131681, T48460, AA807111, W38740, AA548193, AA350472, AA350471, T39360, AA171802, N45578, AA330808, AW379530</p> <p>AA196276, AA524473, AL040260, AA533568, AA600703, AA773551, AA292150, AA004500, AI928071, AI612760, AA411191, AW264086, AW206769, AA496356, AA434061, W42808, AA232555, AA292045, AI085934, AA182481, AA292071, AI087140, AA004501, AA496406, AA434125, AW317087, AI752948, AA443125, AA456190, AA400594, AA292028, AI682335, R73572, AA766115, AA292042, H61296, H61291, AL043495, AA044201, R11520, AA705241, AA652065, AA043939, AI536587, R97731, AI352191, AI630315, AA350112, D31167, AA031359, T85323, AA429498, H15771, R44134, AI351143, AW138388, AA661960, AI215409, AA411071, AW243696, R72952, AW068860, AI567210, AI393957, AI970891, AI273925, AA321611, AA401967, AI224608, AI084609, AI279699, AA031603, AI915877, AA400679, AI092030, AA031637, AI630462, AA429499, AA031476, AA301177, H15770, AW381505, AA182758, AW381475, R10445, AW381498, AI992085, AA312507</p> <p>AA305114, AL022398</p> |
| 1511 | HDPAG07 | 876518 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 442 of SEQ ID NO:1511, b is an integer of 15 to 456, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1511, and where b is greater than or equal to a + 14.</p> | |
| 1512 | HLTAR39 | 876524 | <p>Preferably excluded from the</p> | <p>AI133655, T96748, AW369762, AA350015, AA360756,</p> |

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| 1513 | HWLRF38 | 876526 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2153 of SEQ ID NO:1512, b is an integer of 15 to 2167, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1512, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 818 of SEQ ID NO:1513, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1513, and where b is greater than or equal to a + 14.</p> | <p>AW386072, AI625829, AA534216, AW243183, AW367779, AI697340, AI754731, AW367807, AC004707, AC004675, AF088219, AC006026</p> <p>AW183028, N28485, AI306451, AI536589, AW072566, N24976, H82376, AI814709, AI376566, AI352453, AI590303, AI280262, AI761747, AA554283, AI222990, AA644328, AA661978, AA587549, AA045302, AW274520, AW043629, AA630727, AW273650, AI368900, AI381943, AI290422, AI167243, AA993296, AA977315, AW337456, AA029935, AA779545, Z17865, AI493253, AI624318, AA908755, AI168437, AA757538, AA977243, AI740891, AA524068, AA628420, AI123070, AI692442, AI868044, AA687907, AI370323, T31450, AI867272, N46853, N67292, AW276010, N69329, AI768256, AI022628, R83171, AW073539, AA180796, AI761569, AA045408, AW134931, AW085513, AW059629, D11973, AL133563, AJ006412, AB018284, AJ006776</p> <p>AW362945, AI916280, AA632418, AW451840, AA579245, R85405, AW366782</p> |
| 1514 | HCRNM09 | 876530 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1350 of SEQ ID NO:1514, b is an integer of 15 to 1364, where both a and b correspond to the positions of</p> | |

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| 1515 | HOB AE30 | 876533 | <p>nucleotide residues shown in SEQ ID NO:1514, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1479 of SEQ ID NO:1515, b is an integer of 15 to 1493, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1515, and where b is greater than or equal to a + 14.</p> | AA947739, AI400455, AI079804, AW270919, AI435830, AI452944, AA747433, AI570117, AW207124, AI580309, N95645, AI309204, AI338445, AI272895, AI499408, AW079078, AI797006, AI917984, N98806, AA282725, H01411, H00875, AI565322, AI240334, H01410, R74104, AA831514, R61345, AW150637, AA301342, N69359, R74103, AI672118, H00874, H78279, AA514041, T49557, H79404, AI739220, R31153, AI864092, AA344229, AA693339, T49556, R31104, AA085178, N83511, AI373773, AI349772, AW104724, AL119748, AW071349, AL121365, AI633419, AI537677, AI475371, AL119049, AI536638, AL040243, AW198090, AW087445, AL121270, AL045500, AI433976, AI871697, AI433157, AI536685, AI609331, AI612913, AI568855, AI269205, AI682743, AI682106, AI866457, AL121328, AI815855, AI538716, AL036802, AI580927, AI440239, AI436456, AI590415, AL047763, AI499463, AI207510, AI275175, AI064830, AL045903, AI687728, AI802542, AI500523, AI815383, AI621209, AL119791, AI539771, AI500659, AI524671, AI863014, AW117882, AI684265, AI620284, AI469532, AI906328, AL036146, AI580190, AW071417, AI818683, AI284484, AW274192, AL036396, AI521012, AI702406, AA470491, AW301409, AL036361, AW080838, AW169671, AI920968, AI637584, AI439717, AI349256, AI499393, AI491852, AI934035, AI907070, AL043981, AI648684, AW074993, AL036274, AI149592, AI539153, AI564719, AI439745, AI872711, AI568870, AI613017, AL135661, AL047042, AI690835, |
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| | AW129659, AI250293, AI432969, AI445025, AI868831, AW166645, AI500077, AI349645, AI446628, AL049085, AI538829, AW151485, AW303152, AL045266, AL043326, AI567351, AI345111, AW238730, AI619502, AW268253, AI349598, AL044207, AW026882, AL040169, AW150578, AI343112, AI349933, AI491776, AI285735, AI783504, AI690426, AI631107, AL079963, AI866608, AL121014, AI857296, AI499512, AI349004, AI281762, AI590227, AI873731, AL038778, AW088793, AI440426, AI580984, AI269862, AL119828, AI439762, AI570909, AI673710, AI815232, AI340582, AI682841, AW103371, AI635461, AW149869, AI625079, AI274541, AI610756, AW008048, AL043975, AW089572, AI348897, AI922901, AI636456, AI538259, AI312152, AI282903, AI349937, AW162071, AW129202, AW169132, AI281773, AI284020, AI678302, AL048871, AI634737, AW090013, AI249257, AI636445, AW118512, AW131954, AW196141, AI612920, AI554484, AI811344, AI912866, AI570384, AW002342, AI569616, AI475451, AI702433, AI224992, AI799199, AI271786, AI273142, AI432656, AA508692, AW068845, AI269696, AI590128, AI934036, AW302965, AI800453, AI800433, AI560099, AW132121, AI284517, AA613907, AI498579, AI445165, AL117613, AF147302, AF090900, I48979, AF113694, AL080124, AL133640, I89947, Y11587, AF090934, S78214, AF113691, AL133606, AF090903, AL117460, AL049938, L31396, AL122093, L31397, AF104032, AL133016, AL050138, AF078844, AL050146, U42766, AF106862, AL117457, S68736, AF090901, AF113019, AL050393, AL122050, I89931, AL133075, AF017437, AL050149, AF113690, AF113677, AF118070, |
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| | | | <p>AF090943, AL137459, AF113013, AL110196, AF118064, AF113676, AJ242859, AL050277, X84990, AF125949, AF090896, A93016, AL110221, AL080060, E03348, A08913, AF017152, AL050108, A08916, AF113689, Y16645, AL049452, AR059958, AL096744, AL022147, AL133557, AL137557, AL050116, AL137527, AL133565, AL049314, AL122123, AL133080, AL049466, AB019565, AL080137, E07361, AF158248, AL133093, AF111851, I48978, AL122121, AC007390, AF177401, AJ000937, AF125948, AF113699, AF091512, Y11254, AL117435, AF091084, AL137283, AC002464, AC004883, U62317, X63574, AL035587, AC004686, U91329, AF146568, AR011880, AL137550, X82434, AF097996, AF079765, AC007298, AL133560, AL110280, AL117394, AL049430, AL110225, AJ012755, AC004383, A65341, AL078602, Z98036, I49625, AC005291, AC006115, AL133113, I66342, AF042090, AC006501, U95739, AL049382, AJ238278, E07108, AC007458, AC002538, AC004200, AL137294, E02349, AL117585, A77033, A77035, AL049300, AC006371, AC005829, Z82206, AL137271, AL117583, U00763, A58524, A58523, AL133014, AC004987, A08910, I33392, AL122098, AL049464, A08912, AC002467, AF183393, A12297, X70685, AL031732, AC010077, AL122110</p> <p>AI650305, AI949332, AI206515, AI188549, AW169558, AA857218, AI433853, AW204540, R68303, R42247, AA994295, AI580329, AI624558, AA602338, R44174, Z40075, AI015727, N34408, R74002, R68268, R53421, R54010, Z38312, R44219, R49558, AA090402, F01959, AA090979, U72788, AI304833</p> |
| 1516 | HATCV09 | 876534 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2095 of SEQ ID NO:1516, b is an integer of 15 to 2109, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1516, and where b is greater</p> |

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| 1517 | HCRNE16 | 876535 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 576 of SEQ ID NO:1517, b is an integer of 15 to 590, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1517, and where b is greater than or equal to $a + 14$.</p> | <p>AI274758, C06072, AI589250, AI470584, AA227219, AW021868, AA747122, T27280, AC007501, U80736</p> |
| 1518 | HCRPV63 | 876536 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 411 of SEQ ID NO:1518, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1518, and where b is greater than or equal to $a + 14$.</p> | <p>AI143683, AI924826, AA086365, AI792153, Z79581, Z79582, S81107</p> |
| 1519 | HSKKP02 | 876538 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1172 of SEQ ID NO:1519, b is an integer of 15 to 1186, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1519, and where b is greater</p> | <p>AA916748, R83779, AA331626, AA400220</p> |

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| 1520 | HOVAN13 | 876540 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 446 of SEQ ID NO:1520, b is an integer of 15 to 460, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1520, and where b is greater than or equal to $a + 14$.</p> | |
| 1521 | HWBEX78 | 876543 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 1658 of SEQ ID NO:1521, b is an integer of 15 to 1672, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1521, and where b is greater than or equal to $a + 14$.</p> <p>W20138, AA2229752, AI380196, N44538, AA026809, R41836, N71112, N33777, W05473, AA026870, W15415, AA888089, W39614, R68936, AI143439, H05574, AA2229960, H00351, R63287, T54159, C05110, AI867490, H00306, W91983, T53767, R63233, AA768472, T54164, R71658, R71163, N91009, T53773, R68825, AL137657, AL109669</p> | |
| 1522 | HRODG74 | 876544 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 574 of SEQ ID NO:1522, b is an integer of 15 to 588, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1522, and where b is greater than or equal to $a + 14$.</p> <p>AI797095, AA902901, N47240, AI252632, AI718169, AW079806, H09548, AI203811, AA459245, D25745, C21350, R63205, AC006065, AC002368, AF025422</p> | |

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| 1523 | HCROK30 | 876545 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 506 of SEQ ID NO:1523, b is an integer of 15 to 520, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1523, and where b is greater than or equal to $a + 14$.</p> | AA278251, AA682308, AI540716, AI184153 |
| 1524 | HDABK73 | 876546 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2777 of SEQ ID NO:1524, b is an integer of 15 to 2791, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1524, and where b is greater than or equal to $a + 14$.</p> | AI744148, AI744113, AI860811, AI889014, AI765413, AW237314, AI765401, AL042645, AI867571, AW293518, AA534578, AI432178, AW169762, AA506984, AA420605, AI142237, AA406169, AW188054, AI147954, AA430324, AL040186, AI197943, AI589634, AA569041, AI015938, AA433904, AA070872, AI188829, AI124780, AA421239, AI149224, AA420647, AI916160, W73655, AI076564, AI768356, R51293, AI638215, AI125307, W51790, AA172002, AA425349, AA565222, AA313542, AA825728, R35270, AW204507, AA100809, W28763, AI222042, AI479185, W26572, W45413, W73608, R52192, AI160529, AW440819, AI422286, AI298011, AA171761, AA421279, R51403, H62930, R52097, R59309, AA581790, W81419, AI768849, W40121, AI708313, AA373236, AW368276, AA434583, Z42217, W81420, AI962360, AA325784, R59310, AI271621, T25845, T06069, F05246, AA806028, Z38264, AA071023, AA815452, N54389, AA810542, AA383377, AI370602, R50941, T87272, T87186, F01748, AA947741, AA773493, AA890049, AI985779, AA984284, AW272799, AL043147, AB007891, AI471995, AW393929, AA044743, AI741975. |
| 1525 | HOGCO78 | 876548 | <p>Preferably excluded from the</p> | |

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| <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 673 of SEQ ID NO:1525, b is an integer of 15 to 687, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1525, and where b is greater than or equal to a + 14.</p> | <p>AA044797, AI720824, AI992258, AI480029, AI803250, AI095557, AI245572, AA662934, AA876346, AW327457, AW393932, AW157188, AI669783, AI286104, AA025525, AI090194, AI128230, AI095934, AI189306, AI950299, AI467898, AA028934, AI742307, AA194396, AI809949, AI160162, AI122798, AI034059, AI244940, T55337, H22613, AI431317, AA746600, AI150927, R19215, AI431319, R96173, AW043889, AA876265, AA844331, AW129224, AA860575, AA487470, AI432084, U56654, AW157607, AA669015, AI825990, AA335548, AA731264, AA932576, AA768549, AI270663, AI497894, AI221399, R13183, T39355, AA564849, AI866853, AW272239, AW150208, AI572774, AA668506, AI872423, AI866127, AI568138, AA641818, AI923370, AW118518, AL038665, AW264727, AI582932, AW078818, AI866469, AI687168, AL037582, AL037602, AI241923, AI613038, AI473536, AI866465, AI559872, AI955117, AW020095, AW078606, AI288285, AW090451, AL046942, AW079409, AI635016, AL079963, AI827058, AI590043, AI866780, AI687166, AI620302, AI611738, AI446721, AI961589, AL041772, AI500061, AI457589, AI559752, AW166870, AI125884, AI687127, AI802542, AI452707, AI932503, AL039132, AI581362, AI624293, AI434656, AI587279, AI561228, AW051226, AI348870, AA983883, AL135024, AI289542, AI554821, AI453339, AL138420, AW149925, AW150557, AI915291, AL039086, AW163834, AI654276, AW026882, AI433157, AW083572, AI702073, AA225339, AI860897, AI418681, AL036638, AI923989, AI800341, AW131294, AI539800, AI621341, AI633125, AI698391, AI538564, AL040827, AL046466, AW152182, AI270429,</p> |
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| | AI355779, AI695726, AI638644, AI628325, AI819014, AI818980, AW079075, AI357644, AW262552, AI927256, AW128834, AL046595, AI636588, AI651840, AW054964, AL119399, AW264895, AI884318, AI889189, AL120995, AL048323, AI912434, AI474146, AL048340, AI612913, AI469270, AW024793, AI818353, AW105459, AI866770, AI445303, AI309306, AI475806, AI267185, AI583558, AI932794, AW410259, AI686576, AI335214, AW148294, AW198090, AI270706, AA502794, AL039716, AI891084, AI520702, AI691088, AI569975, AI434731, AI538817, AI571439, AI279925, AI281757, AI270295, AI819545, AI701975, AL036673, AI670002, AI335426, AI348777, AW051088, AI819976, AI927233, AI912438, AI491842, T69241, AI963846, AI873638, AI565172, AW148544, AI270183, AI699823, AW263355, AI612750, AI540674, AI817523, AW087915, AL041573, AL043152, AI433611, AL080011, AL119457, AI670009, AI285735, AI824576, AI921254, AI538885, W74529, AW020397, AL046618, AI926367, AL135047, AI929108, AI446373, AI500714, AW196078, AI673363, I33392, AL137480, I03321, A77033, A77035, I89947, AL122050, I48978, AL133640, AF008439, AF111849, AF047716, AF090900, X63162, AF106657, AR013797, AF102578, AL137530, AL096744, A08910, A08909, AL096751, AJ005690, A08908, AF090903, AR038854, X82434, S36676, AL137557, AL137476, AF183393, AL080154, AL117457, A08913, Z97214, A65340, AF107847, I17544, A08912, E06743, AF111112, I48979, I33391, AL117416, AL117460, A08916, S76508, AF131773, AF026816, AF215669, AL133075, U78525, AL122093, AL133113, AL050092, AR034821, AF061573, U58996, A58524, A58523, AF090934, |
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AF113677, Y14314, AL050155, AL117435, S78214,
A86558, AL049938, AL049466, AL137550, AL133014,
AF090896, D83032, E05822, X84990, AF017437,
Y16645, A18777, AL050172, AL137711, AL137292,
Y11587, AF113019, X79812, A08907, I89931,
AF141289, U68233, I92592, AJ003118, AF185576,
AL110280, U77594, I49625, A65341, AL050024,
AJ000937, AF087943, A76335, Z82022, AL080234,
AL122100, AL137558, I32738, AF030513, E01614,
E13364, A03736, L04504, U88966, AL049464,
U42766, AF028823, AF113699, Y09972, AF124728,
AL023657, AL133665, AL080148, AL137521,
AL137463, AL122110, I89934, AR020905, AL137429,
S78453, AL133645, AF115392, Z13966, AL117585,
A93350, S69510, AL137533, AF177401, AL117440,
AL050138, AL133010, AF182215, X83508, AF100931,
E02349, AF061981, AL137479, U72620, A15345,
AL137539, AF097996, AF067728, AL137478,
AL080159, AR029490, AL133557, E01314, Z37987,
AF125948, I66342, AJ010277, AF090901, AL110222,
AR011880, AF118094, AF090943, AR068753,
AL110296, AL137459, AL049452, AL137529,
AL133016, A23630, AF081197, AF081195, AL117648,
X06146, X56039, X62580, AL137560, AL137271,
AL133081, L31396, S77771, AL137537, L19437,
AL049314, A49139, AF061795, AF151685, S83440,
AF044323, AL050393, AF106862, AF169154, A08911,
U67958, Y10936, AL049430, X80340, AF118092,
AF192557, AF176651, AF106697, AF017152, I09499,
I80064, AL137488, AL133619, AL133072, U35846,
AF032666, AJ012755, Y10080, X63410, I89944,
Y10655, AL050277, AL133637, AL117587, AF153205,
AF158248, U80742, AF139986, U75932, A21103,
L04849, AF113694, AF091084, AF113690, AF145233,
AF118070, E04233, AL080110, U49434, AF026124,
U96683, AL110221, AL117578, U87620, A58545,

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| 1526 | HCRNG10 | 876549 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 694 of SEQ ID NO:1526, b is an integer of 15 to 708, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1526, and where b is greater than or equal to a + 14.</p> | <p>D16301, AL137658, U72621, AL080126, AF104032, AL110218, I68732, E12747, AL133560, X81464, AF013214, AF078844, AL080060 AA737831, AA651628, AI239587, AA912347</p> |
| 1527 | HWLRR08 | 876551 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 604 of SEQ ID NO:1527, b is an integer of 15 to 618, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1527, and where b is greater than or equal to a + 14.</p> | <p>AI040700</p> |
| 1528 | HTEFP55 | 876553 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1089 of SEQ ID NO:1528, b is an integer of 15 to 1103, where both a and b correspond to the positions of</p> | <p>AI950957, AA454500, AW301277, AW409745, W19086, AW388466, AW388282, AA129369, AA159858, AW450017, AW418819, H56484, AA437031, AW082355, AW204742, U28413</p> |

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| 1529 | HDLAR46 | 876557 | nucleotide residues shown in SEQ ID NO:1528, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 206 of SEQ ID NO:1529, b is an integer of 15 to 220, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1529, and where b is greater than or equal to a + 14. | AL110374 |
| 1530 | H2CBW66 | 876558 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 424 of SEQ ID NO:1530, b is an integer of 15 to 438, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1530, and where b is greater than or equal to a + 14. | AI207993, AI797860, AW137483, AA934986, AA621885, AA569967, AA315265, AA782950 |
| 1531 | HOGDS65 | 876559 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2048 of SEQ ID NO:1531, b is an integer of 15 to 2062, where both a and b correspond to the positions of | AW276060, AW117930, AW271245, AA490688, AI598114, AA315280, AI018136, AW264544, AW378323, AW384544, AW384563, AW378307, AW383155, AW384497, AW086214, AA961504, AA257102, AW192483, AW020066, AA613715, AA461400, AI917637, AW192488, AW021810, AA315269, AA677120, AI783695, AA554460, AI589498, AW378298, AW384566, AW007451, AA461087, AI816732, AW264471, AW368463, |

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| 1532 | H2CBX36 | 876560 | nucleotide residues shown in SEQ ID NO:1531, and where b is greater than or equal to a + 14. | AW368530, AI341438, AW378317, AI290266, AW368521, AI280695, AW384490, AI418400, AI970613, AI160977, AW023591, AA947181, AW243772, AI040737, AA055400, AW316636, AA962716, N71882, AI376268, AW384491, AI076554, AI952506, AA257017, AA490466, H88912, N69323, AI912481, AA055599, N67469, M86849, I74304, X51615, M81445, M63803, U43932, AF144321 AA587891, AA748293, AA313745, AW449668, U84009, U84010, U84008, U84011, L10605, M85168, AB035424, AB035422, AB035425, AB035423, AB035421 |
| 1533 | HSXAX43 | 876572 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1532, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1532, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 562 of SEQ ID NO:1533, b is an integer of 15 to 576, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1533, and where b is greater than or equal to a + 14. | H66220, AA809449 |
| 1534 | HCRQI57 | 876575 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AI361150, AI939490, AW089648, AF002993 |

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| 1535 | HCYBL73 | 876576 | <p>the general formula of a-b, where a is any integer between 1 to 887 of SEQ ID NO:1534, b is an integer of 15 to 901, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1534, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1138 of SEQ ID NO:1535, b is an integer of 15 to 1152, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1535, and where b is greater than or equal to a + 14.</p> | <p>AI744557, AA831793, AI813443, AA480937, AI110686, AA305609, AA521155, AW025562, AI640749, H96495, AA281170, AA987634, AA836072, AA279428, AI671472, AI077333, AI538508, AA480878, H24707, AA554436, AA280869, AI290360, AA968618, AW104195, AI762018, AI863656, AI910555, H24708, AA329735, D80195, D81026, C14389, D80166, D81030, D80522, D80133, D80045, D80164, D59502, D80212, D80193, D80251, D80269, D80248, D59467, D59275, D80022, D80227, C15076, D59619, D80210, D80240, D51060, D51423, D50979, D58283, D80366, D59859, D80391, C14331, D59787, D51799, D80253, D80038, D80043, D80219, AA305578, D80302, AW377671, D80196, D80024, D80188, D51022, D50995, AA305409, AA514188, D59927, D57483, D59610, D80378, D59889, C06015, C14014, D80268, AW360811, D80241, C14429, AW177440, AA514186, D80439, AW178893, D80247, D59373, D59627, AW375405, T03269, D80157, AW179328, AW360834, AW366296, C75259, AW360844, AW360817, AW375406, D51103, AW378534, AW179332, AW377672, AW179023, AW178905, AW378532, AW178906, AW177501, AW177511, C05695, T11417, D51759, AW377676, AW352171, AW178762, AW352170, AW177731, D59653, AW178907, AW378528, AW179019, AW179024, D80132, AW176467, D51250, AW360841, AW178775, AW177505, AW367967, D80134, AW179020, AW178909, AW177456, D58253, AW179329, AW178980,</p> |
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| | | | <p>AW352158, AW178914, AW177733, AW178908, AW178754, AW179018, AW369651, AW352117, T48593, AW179004, D45260, AW179012, AW178774, AW378525, AW352163, AW352120, H67866, F13647, AI525923, D80064, D81111, T03116, AA809122, C03092, C14227, H67854, AW179011, AW179009, C14077, AW178911, AW378543, AW177722, AI910186, AW177728, D80258, AI905856, D59503, AW367950, AW378540, D58246, D80014, D58101, D59317, D59551, AW178781, C13958, AI535686, C14344, AI557774, C14407, AI525917, D45273, C14973, D59474, AA514184, AI525227, AW378533, D51221, D60214, AW178986, AI525920, D60010, AI525925, AI525215, C14957, C14046, AI525242, AW177734, AI525235, C14298, T03048, AI525912, AI525237, AW378539, D80168, AI557751, AA285331, D51066, D51097, C16955, T02868, U13896, U13897, U93309, U14950, U51639, A84916, AJ132110, AB028859, A62300, A62298, AR018138, AR008278, AF058696, A82595, AR060385, AB002449, A94995, X67155, Y12724, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, I50132, AR008443, I50126, I50128, I50133, D88547, I14842, AR066488, AR016514, X82626, AR060138, A45456, A26615, AR052274, I82448, AR016808, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR025207, A30438, Y17187, A63261, D50010, AR008277, AR008281, AR066490, AR062872, A70867, AR016691, AR016690, U46128, I18367, AR008408, I79511, A64136, A68321, X68127, AB012117, D13509, AR060133, X72378, A85396, D88507, AR066482, AF123263, A44171, AR032065, A85477, I19525, A86792, X93549</p> |
| 1536 | HHEGC16 | 876579 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a</p> |

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| 1537 | H2CBG53 | 876580 | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1518 of SEQ ID NO:1536, b is an integer of 15 to 1532, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1536, and where b is greater than or equal to a + 14. | AW372745, AA121349, AI097133, AI310351, AI222028, AW073286, AI160271, AA121301, AW170797, AW388634, H69344, AA278853, AW372735, H47623, AA742972, AA864447, N31288, AW372730, AI572193, AA173309, AW188877, H69345, AW363751, AW372731, AW372736, H47925, AI476011, AW372742, AA278420, AW372739, AW372744, H38254, N22901, AA278794, AA769896, AW372740, AW372786, AW372738, AL040673, AF132937 AA307226, AB020236, AF045449 |
| 1538 | HCYBF23 | 876581 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 468 of SEQ ID NO:1537, b is an integer of 15 to 482, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1537, and where b is greater than or equal to a + 14. | AA919119, AI949966, AA687405, AA588150, AA721257, AW028336, AA305220, AI522235, AA827201, AW298461, AI220695, AI984660, AI219204, AI026116, M84722, M84721, D12775, D85596, U90888, M84720, D31636, U29910, D88988, D31634, U29907, D31637, U29911, D88989 |
| 1539 | HODCO80 | 876583 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AW076027, R24903, R32458 |

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| 1540 | HGYBG67 | 876588 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 923 of SEQ ID NO:1539, b is an integer of 15 to 937, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1539, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 357 of SEQ ID NO:1540, b is an integer of 15 to 371, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1540, and where b is greater than or equal to a + 14.</p> | AA305259, L37080, Z47553 | |
| 1541 | HGYBI10 | 876589 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 892 of SEQ ID NO:1541, b is an integer of 15 to 906, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1541, and where b is greater than or equal to a + 14.</p> | AA446378, AA305361, AA502360, AI912345, AA903395, AW377671, D80522, D81026, D80133, AW177440, AW360811, AW375405, AI262837, D80248, AW178893, T03269, C14389, AW179328, AW177501, AW177511, AW352117, D80251, D80269, AW366296, D80366, D58283, D59859, D80022, C14331, D80166, D80195, D80193, D59927, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D80043, D59787, D80227, D59502, AW378532, AW360844, D81030, AW360817, D80212, AW375406, D80196, D80188, AW378534, D80219, AW179332, AW377672, AW179023, AW178905, AA305578, C15076, D80038, D59610, D57483, AA305409, C14429, D51022, D50979, D50995, D59889, AW178762, D80024, D80045, AI905856, | |

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| | | | | <p>D51060, AW176467, D80378, AW352171, AW377676, AW352170, AW177731, AW178907, AW178775, AW179019, AW179024, AA514188, C14014, D80241, AW178906, AW352158, AW177505, AW179020, AW178909, AW177456, AA514186, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, D80132, AW178983, AW179004, D80268, C75259, AW360834, D80302, AW178914, AW178911, AW367967, D80134, D80439, C05695, AW178774, D80247, C06015, T48593, D51097, D51103, D58253, AW177723, AW352174, D80157, AW367950, AW378533, AW178986, D45260, D80314, AF535850, AF525913, AF525923, AF078165, AF205888, AF205889, A98521, X82626, A78862, A84916, A67220, D89785, A62300, A62298, Y17188, D34614, D26022, D88547, AJ132110, AR018138, X67155, AF058696, A25909, Y12724, AR008278, AB028859, AR025207, A94995, AR008443, I50126, I50132, I50128, I50133, AR066488, A82595, AB012117, AR016514, D50010, AR060138, A45456, I18367, A26615, AR052274, Y09669, AR060385, AB002449, AR066487, AR038669, A43192, A43190, A30438, A85396, D88507, AR066482, A44171, AR066490, A85477, I19525, A86792, D13509, AR008408, X93549, Y17187, AR060133, A63261, A70867, AR062872, U79457, AR016691, AR016690, U46128, AR008382</p> |
| 1542 | H2CBE01 | 876591 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 965 of SEQ ID NO:1542, b is an integer of 15 to 979, where both a and b correspond to the positions of</p> | <p>AA307067, AA827296, AA307068, AA972507, AA074169, AL134865, AA096156, AA247393, AA091519, I81218, U30872, U19769, I35495, AF194970</p> |

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| 1546 | HCQCR04 | 876597 | nucleotide residues shown in SEQ ID NO:1545, and where b is greater than or equal to a + 14. | AA528215, AA574144, AA738177, AA934667, C20604, AA706803, AA781330, AI015034, AI3111392, AI359257, AI360138, AI383772, AI422649, AI582783, AI127637, AI129439, AI130855, AI203460, AI208460, AI610103 W79201, AC006001 |
| 1547 | HWMFE48 | 876600 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 342 of SEQ ID NO:1546, b is an integer of 15 to 356, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1546, and where b is greater than or equal to a + 14. | AA813252, AI911238, AI186148, AI743777, AA868390, AI004989, AI808771, AA838553, AA654365, AI911106, AI092279, AA769822, AA523966, AI955005, AI034008, AW085738, AI302130, AI285082, AA158037, AI991179, AI954918, AI167941, AI738706, AA524173, AA887784, AA552303, AI424977, AI024177, AI051807, W56741, AI720296, AI672956, R99385, AA594882, W85752, AA315098, AW382098, N90665, AA778392, D31212, T65680, AA465630, AA158328, AA641295, AA928364, AA812254, AI351201, W20284, AW382084, AI383689, AA215354, AI873941, AW382340, AA639464, AW382339, AW351859, UI7077, UI7079, UI7080 |
| 1548 | HMTBN44 | 876601 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI446030, D62937, AA344217, AI950787, D62979, D79906, AW151367, AW151360 |

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| 1549 | HCROI04 | 876602 | is any integer between 1 to 1409 of SEQ ID NO:1548, b is an integer of 15 to 1423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1548, and where b is greater than or equal to a + 14. | M63806, AF035406, M96066, S68616 |
| 1550 | HTWCT64 | 876608 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 443 of SEQ ID NO:1549, b is an integer of 15 to 457, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1549, and where b is greater than or equal to a + 14. | AW118825, AI582268, AI924840, AI686918, AI689468, AI565967, AI471821, AW167093, AW438815, AI560103, AW192267, AI351758, AI204255, AA948069, AA775662, AI160736, AA975121, AI347454, AW381442, AI086345, AI805695, AA441899, AW132052, AA233648, AW204634, AI470694, AA464178, AA693693, AI061108, AW028857, N90723, AI275105, AI290106, AW130518, N33172, AA031928, AA476308, AI682854, AI358603, AI332311, AW381443, AI696369, AW381398, AI472619, AI383588, AA404636, AA180763, AA233637, AW381420, AA032029, AI559765, N90350, N44956, W06927, AA182891, C05190, AA883620, AI696426, AA618268, D90034, E01793, E01792, E01791, D28915, D28914, D28912 |
| 1551 | HETBI79 | 876609 | Preferably excluded from the present invention are one or more | AI346674, AI348020, AI890197, AW291166, AA167382, AA700159, AI347083, AI056234, |

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| 1552 | | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2526 of SEQ ID NO:1551, b is an integer of 15 to 2540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1551, and where b is greater than or equal to a + 14.</p> | <p>AA535792, N76634, AA815232, AI343929, AA490536, AI696964, AI392769, AI346881, AI613246, AA809480, AI318395, AI761658, AI140011, AW190983, AW070699, AA488989, AW291783, AI285896, AA627444, R84232, AI674736, AI280867, H72489, AA488770, AA813879, AI685538, AI858181, AW006758, AA167381, N54554, N71216, AA971023, AA704201, AI612846, AW294335, N22015, R10105, AA744665, AI680111, AI361708, AA313609, N75553, AA337910, H72889, AI689838, R87634, AI867541, AW015119, R38671, R00317, AA548940, AI886417, T98789, W05347, AA337673, T98788, F10720, AI910396, AW374767, AC004687</p> |
| 1552 | HWTBM65 | 876610 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 594 of SEQ ID NO:1552, b is an integer of 15 to 608, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1552, and where b is greater than or equal to a + 14.</p> | <p>AW137982, AI686316, AW137243, AW193522, AW373055, D79340, AI796896, AC004079</p> |
| 1553 | HCQBN77 | 876612 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 770 of SEQ ID NO:1553, b is an integer of 15 to 784, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1553, and where b is greater</p> | <p>AA908796, AA431249, AI743453, AI433466, AI613002, AW302156, AA758918, AA595771, AA432263, AA887241, AI459626, AA931083, AI522039, AA707461, AI612992, AA834959, R50375, AI004115, AI203186, R48003, R48117, L47334, AC005324, AA976609</p> |

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| 1554 | HKAED74 | 876621 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 1917 of SEQ ID NO:1554, b is an integer of 15 to 1931, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1554, and where b is greater than or equal to $a + 14$.</p> | <p>AI796510, AA478680, AI972505, AA418501, AI917358, AI923250, AA210747, AI652196, AI652382, AA418404, AI683375, AI224156, AA844697, AA668890, AA315808, AI168734, AI374795, AI469242, AA814749, AI368714, AI347251, AA171797, AI745538, AA450160, AA495861, AI831534, AI206300, AA428536, W95434, AA831973, W95561, AI189412, AA688156, AI867770, AI199241, T75325, AI089175, AA479220, AA443765, AA406142, F12995, F13001, T19179, F10596, AA424821, T90046, T19289, T75402, AA776218, F10590, AI868932, AA211708, AI539664, T90147, AA367325, AA428537, AA296374, AA307446, AA171681, AI793116, AI793143, R39216, AF048686, AJ006068</p> |
| 1555 | HCOAT20 | 876622 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 380 of SEQ ID NO:1555, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1555, and where b is greater than or equal to $a + 14$.</p> | <p>D81622, D60051, H57196, AI125536</p> |
| 1556 | HCRMD40 | 876630 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 332 of SEQ ID NO:1556, b is an integer of 15 to 346, where both a and b</p> | <p>AL044257, W40373, AW250560, AA643353, AI991172, AA402608, AW249124, AI554578, AW328561, AW246456, AW051430, AA308337, AI346750, AW166193, AA703840, AI143755, AI951822, AW080812, AI189652, AI885695, AW166148, AW082817, AI953814, AA602780, AI951334, AI191618, AW248692, W45258, AA503856, AI378866, AA916922, AI089026, AA599791, AA032143, H48844,</p> |

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| 1557 | HFIHO78 | 876631 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1556, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1563 of SEQ ID NO:1557, b is an integer of 15 to 1577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1557, and where b is greater than or equal to a + 14.</p> | <p>AA402390, AI192449, AA826583, AW070627, N39330, AF004876</p> <p>AW150197, AA846471, AI146351, AI276560, H96798, AW016664, AA253395, W07219, H97716, M63896, L13853, S74227, L06865</p> |
| 1558 | HCRPG35 | 876633 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 264 of SEQ ID NO:1558, b is an integer of 15 to 278, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1558, and where b is greater than or equal to a + 14.</p> | AC004030 |
| 1559 | HSQFQ92 | 876637 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 737 of SEQ ID NO:1559, b is an integer of 15 to 751, where both a and b</p> | <p>AI750171, AI692181, AI275606, AI453065, AI521837, AI634107, AW130839, AI654841, AA424967, AA059190, AA047896, AA148675, AW085538, AA026771, AI261336, AI696507, AA992863, N66291, R85666</p> |

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| 1560 | HUFBF32 | 876638 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1559, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1924 of SEQ ID NO:1560, b is an integer of 15 to 1938, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1560, and where b is greater than or equal to a + 14.</p> | <p>AL134555, AI925308, AI625207, AI969783, AW262828, AW263812, AI685887, AA206222, AI086025, AI284055, AA143639, AI268485, AI312871, AL134554, AA969162, AI282923, AA074267, AA206652, N33991, N22039, T09372, AI760417, AA146631, AW083343, AI479411, AA742178, AW054790, AI586977, AI948545, AI991591, T59451, AI565918, AI572624, AA627495, AA236672, AI798559, AW291470, AA292449, AA593202, T58112, AI815717, AI698280, AI4322649</p> |
| 1561 | HTXCO05 | 876643 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 875 of SEQ ID NO:1561, b is an integer of 15 to 889, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1561, and where b is greater than or equal to a + 14.</p> | <p>AW411282, R08081, AA307047, T98713, AW351792, AA325934, AW375839, AI694682, AI968390, AW370749, AW370756, U43431</p> |
| 1562 | HWMBJ09 | 876645 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1371 of SEQ ID NO:1562, b is an integer of 15 to 1385, where both a and b</p> | <p>AW337919, AA523430, AL044577, AW194215, AI686556, AI671043, AA652193, AI815222, AI694846, AA480192, AI289064, AI910616, AI923986, AI557645, AI799943, AI077441, AW007863, AA481900, AI123788, AW024224, AI355044, AW130857, AW054917, AA552445, AA923164, AA300093, AI686879, AI240984, AI625429, AI446337, AI557649, AI557647,</p> |

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| 1563 | HSIDP84 | 876646 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1562, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 848 of SEQ ID NO:1563, b is an integer of 15 to 862, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1563, and where b is greater than or equal to a + 14.</p> | AA524488, AI557652, AI557651, AI557653, AA579950, AW338240, AI557650, AA480098, AI557656, AI557654, AI557655, AI557648, AA994813, AL044578, AI383197, AA910275, R05862, AA887744, R05776, AI940377, AA594829, AA858443, AI557657, AW337931, AW057864, AI720420, AI557646, AW363060, X87342 W61002, AW316845, AI674913, AI678011, AW190676, AI623768, AI934315, AI692242, AI023791, AI935868, AI934327, AI818628, AI589269, AI520775, C05899, AI598121, H58247, AW007303, AI703259, H70829, AI598076, H61582, H70828, AI932542, AI582914, AI587377, AI565896, AI445979, H94487, H79481, AI888892, H61583, M84424, J05036 |
| 1564 | HUSJA29 | 876647 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3093 of SEQ ID NO:1564, b is an integer of 15 to 3107, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1564, and where b is greater than or equal to a + 14.</p> | AW173342, AA478670, AI968093, AI379615, AI634726, AW338720, AW104590, AI683681, AW169497, AI421606, AA694059, AI970918, AI432425, AA258286, AA234386, W49607, AI417965, AI359750, AI672733, AI094753, AI359735, AI421216, AI421807, AI492071, AW169163, AA406244, N50451, AI400745, AW051859, AI770144, AI418973, N94584, N22975, AW009450, AI423399, AI522259, AW150839, AI358559, AI688047, AA970514, AI768455, AA305807, AW243536, AI399686, W49640, AI280345, AA703127, AI632111, T63353, AI865130, AI474045, H47786, AI274468, AI341413, AW016684, AI399864, AA694012, AI097106, AL040613, AW182238, AA431110, R14723, R06613, AA972500, AW342058, AA887754, AW086061, AI026763, W23791, AI205812, AA232656, R67689, AA972808, Z45677, R36481, AA479212, AI567031, |

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| 1565 | HCQAG09 | 876648 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 286 of SEQ ID NO:1565, b is an integer of 15 to 300, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1565, and where b is greater than or equal to a + 14.</p> | <p>R62535, R84588, N50507, AA969851, T97034, AA649044, AA315207, AA649043, AI471105, AI086675, R36482, AA613263, AI051650, Z41345, R42442, AI074320, R66089, AA812544, R06604, T96927, R06660, N32390, AI868697, R06669, AA432124, N79367, T63677, Z20112, AA883725, AI220180, AC004711, AB020684, AJ011911, AC005271, A74567, AA770028</p> <p>AF061056, AF084644, AF084645, AJ009936, AF188476, AF182217, AJ009937</p> |
| 1566 | HCROT53 | 876649 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1566, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1566, and where b is greater than or equal to a + 14.</p> | <p>U17105, Z36714, U20612, Z47766, U20636</p> |
| 1567 | HOENX50 | 876652 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AF039023, AC006432</p> |

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| 1568 | HCEOW20 | 876656 | <p>the general formula of a-b, where a is any integer between 1 to 319 of SEQ ID NO:1567, b is an integer of 15 to 333, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1567, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 635 of SEQ ID NO:1568, b is an integer of 15 to 649, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1568, and where b is greater than or equal to a + 14.</p> | AA985339, AA325781, AA041430, AC005531 | |
| 1569 | HCRMGI6 | 876657 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1569, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1569, and where b is greater than or equal to a + 14.</p> | Z99757 | |
| 1570 | HCEPH79 | 876660 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | AA326212 | |

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| 1571 | HFOYY56 | 876666 | <p>the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1570, b is an integer of 15 to 566, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1570, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1643 of SEQ ID NO:1571, b is an integer of 15 to 1657, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1571, and where b is greater than or equal to a + 14.</p> | <p>AI828664, AW189077, AA186731, AA058868, AA723578, AL121358, AI221227, AI093392, AI138553, AW019870, AI803661, AA826404, AI004869, N67735, AI188839, AI474328, N64380, T71617, AI630399, AL120719, AA127002, AW386045, AA243169, N70412, N40572, AA977240, AI798975, H41757, H41758, AL046756, H40420, H50495, T91967, N44609, AA125926, H14602, AI950747, H20721, H72253, R10731, AW382088, AA069491, R44126, AI472460, AA045529, AA731653, AW366585, AI148840, AI373402, W58735, N35135, AI889177, AA127021, H71690, AA069453, AA125758, AI312614, AB006965, AF000430, AF061795, AF151685, AF019043, AF107048, AF132727, AF020212, AF020211, AF020213, AF132939</p> |
| 1572 | HSXDG80 | 876668 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1172 of SEQ ID NO:1572, b is an integer of 15 to 1186, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1572, and where b is greater than or equal to a + 14.</p> | <p>N76733, H97908, AI765923, AA100164, AI161123, AI269285, N45309, AI379293, AA026656, AA425856, H06713, AA628959, N54759, AA323052, AI123671, R78485, AA317233, N88108, T92033, T84742, AW263910, AI400524, AA628884, AW275553, AI039362, R78527, AA249635, AI041425, N52791, AI699248, AA223953, AI191006, N59264, AB020715</p> |
| 1573 | HHEUK77 | 876675 | Preferably excluded from the | AA133261, AA300475, AA133237, AI768979, |

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|------|---------|--------|--|--|
| 1574 | HHEDO14 | 876677 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1573, b is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1573, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1121 of SEQ ID NO:1574, b is an integer of 15 to 1135, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1574, and where b is greater than or equal to a + 14.</p> | AA580098, AA233499, AA314374, AW408727, AA094260, AI751632 AI189206, AI689297, AL037493, AW169116, AA648307, AA062916, AW292736, AI198589, AA902957, AI277799, AA767327, AI311067, AA937974, AA634429, AI004727, AI299652, AA032043, AA862157, AI291351, AA862156, AA181981, AA993666, AA991222, N52079, AA496026, AI000697, AI581889, AW342034, AI972961, AA948363, AA258118, AI971556, N89925, AA041553, H49505, AI017756, AA031961, W19241, F02366, F08820, R22625, H73943, R09488, AI472632, AA748836, AI262706, AA436938, AA877698, AA187708, AA081668, H94003, H49504, H73988, AA244456, AA259104, H95020, AA082449, F11149, F06110, R53670, X77743, X77303, X79193, L20320, Y13120, U11822, X74145, X83579, X57239, X65070 AA193161, T10237, H11797, D44986, R25550, T77684, R91095, H15636, Z42961, R17883, AA371122, AL035427, AF035288, AC007262 |
| 1575 | HKIMC75 | 876680 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 845 of SEQ ID NO:1575, b is an integer of 15 to 859, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | |

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| 1576 | HWMBI36 | 876683 | <p>NO:1575, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 718 of SEQ ID NO:1576, b is an integer of 15 to 732, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1576, and where b is greater than or equal to a + 14.</p> | <p>AI435038, AI912169, AI701595, AI628945, AI819240, AI361891, AI057030, AI808292, AI478205, AA933801, AA633552, AI830350, AA513475, AI093856, AI566604, AI559922, AI000612, AA587035, AI222881, T27670, AI308944, AI308779, AA948404, AI346156, AA857101, AI539010, AI871676, AI628889, AI344797, AA865820, AI658897, AI475182, AW082952, AW102783, AI346307, AI972243, AL045929, AI682106, AI344182, AI590482, AI345860, AI569870, M16937, S49765</p> |
| 1577 | HE8TM64 | 876685 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1622 of SEQ ID NO:1577, b is an integer of 15 to 1636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1577, and where b is greater than or equal to a + 14.</p> | <p>AI751497, W25812, AA307338, AA305326, AI367808, AA332338, AA545813, AA047778, AI251787, AL045193, D30819, AA319757, AW293922, X68199, X69987, L00923, AJ001381, AJ001382</p> |
| 1578 | HKLSA57 | 876687 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 645 of SEQ ID NO:1578, b is an integer of 15 to 659, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | |

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| 1579 | HOGCV45 | 876689 | <p>NO:1578, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1852 of SEQ ID NO:1579, b is an integer of 15 to 1866, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1579, and where b is greater than or equal to a + 14.</p> | <p>AA971761, AA316125, AA779730, AI342295, D82512, D82209, D82400, AI928195, R59543, R51409, Z43988, F11900, T65476, AA081963, AA304478, T65486, D82182, AA188083, X84373, AR031997</p> |
| 1580 | HADCX04 | 876690 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1482 of SEQ ID NO:1580, b is an integer of 15 to 1496, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1580, and where b is greater than or equal to a + 14.</p> | <p>AI824012, AA768896, AI400750, AW291960, AA449520, AI446344, AI911295, AA482984, AA677454, C75000, AA211913, AA449089, AL039130, AI086104, AA809866, AA814760, AA206769, R51297, Z40045, R59544, T65401, AW440101, AW197032, AA280932, T65412, D81782, R59543, AI916155, F09547, AA206804, AA304478, AA743706, C75037, AA209222, Z43988, R51409, F11900, AA316125, T65476, X84373, AF053062</p> |
| 1581 | HCRPH70 | 876693 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3884 of SEQ ID NO:1581, b is an integer of 15 to 3898, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AI452523, AI478635, AI744981, AI560901, AI565588, AI798581, AI814640, AA653662, AA421151, AI660891, AW444552, AL039553, AI745043, AI570244, AI333562, AA205872, AI719554, AI149680, AW439417, AI921227, AA694055, AI601268, AA316992, AI393735, AW190924, AA838650, AI269927, AI095118, AW151035, AI769469, AW337209, AI025693, AA969146, AA577235, AL039554, AI049679, AA936325, AI242821, AA814514, AL121252,</p> |

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| 1582 | HCRQM22 | 876696 | <p>NO:1581, and where b is greater than or equal to a + 14.</p> | <p>AW376485, AW131188, AW192413, AL121316, AW014973, AA101068, AL039574, AW131134, AA573629, AA102113, AA961055, AW374678, AA194838, AW178971, AA344374, AW374624, AI183708, AA740187, AI537228, AA226093, R68854, H10750, AI802500, AA225947, AA397942, H13519, AW361330, AI208657, H25331, AA814957, AA618264, AA344846, AW380100, N75624, AA372640, F05661, AA206235, AL046083, T54750, AI701306, AA586552, AI857281, AI202213, H11029, H07142, AA206013, AI141812, AA352818, AI307792, R68760, AW374474, F08374, AA344845, N22383, AA353560, AI869073, AI762329, F01918, AA373973, T54663, N88370, AA092897, AA206054, AI040829, AA356450, R43483, AW374484, H06635, AW389283, AI749924, F04601, T19805, AA082735, AW273597, AW374506, AI557427, AA857322, AI721273, AI423660, AA302091, AA181082, R17993, AW360799, H13417, AA977862, H13460, H13520, AW360925, AI206966, AI206949, AI655406, I32959, X53586, X59512, I32960, X69902, X56559, AF166341, S66213, S66196, I32962, I32961, S52135, AF166343, AF166342</p> <p>AW403014, AI904490, AI831848, AA115313, AI761315, L16783, U74613, U83113, AR030545, A79030, U74612, AC005841</p> |
| 1583 | HKAEB15 | 876697 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 433 of SEQ ID NO:1582, b is an integer of 15 to 447, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1582, and where b is greater than or equal to a + 14.</p> | <p>AL036025, AW170264, AI752535, AI005255, AI983435, AW246157, AA830412, AA100899,</p> |

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| | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1260 of SEQ ID NO:1583, b is an integer of 15 to 1274, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1583, and where b is greater than or equal to a + 14.</p> | <p>AW029286, AW249623, AI817149, AI188189, AI080559, AI351548, AI800612, AA053203, AI472277, AA514834, AI805161, AW190531, AI674923, AI126935, AI692174, AW338703, AI298396, AA100900, AI371893, AA614754, AI280045, AA775722, AA748994, AW340009, AW021825, AW079812, AA687655, AA157990, AI335523, H28772, AA053118, AA179129, R98683, F37299, AA490300, AA128782, AI222643, AI971507, AA158221, W22913, AI808088, AI241313, AA128683, W75952, AA490392, AA937369, W70210, F27137, AI420918, R98910, AA878476, AA835695, D61351, T47481, AI698637, AA568407, AI114611, AA918093, AI873390, AA191377, AA352963, AA845387, AA206840, AI886265, T99184, AA179130, AA375818, AA190767, H19574, H92872, AA317262, H46433, AL110366, AA852372, AA318585, AA024678, F15781, H19492, AI356724, F29453, T82979, AA024463, H28745, AI864085, AA732079, AI701200, F31250, T47480, AA380664, D61207, AA206841, AA527568, AW087408, T99183, AI345010, AW152550, AI890507, AI815237, AI078510, AA715307, AA809974, AI520946, AA761557, AI445992, AI659795, AA641818, AW075608, AA857847, AW327325, AI860674, AA748353, AW090087, AI567971, AI433976, AL045413, AI860783, AI963172, AI590043, AI624543, AI064830, AI440238, N29277, AL038529, AW088037, AL038645, AW075084, AI310925, AW161202, AI538885, AI828574, AW161579, AI567582, AI289791, AI471429, AL120700, AW151136, AA659314, AI539771, AL121270, AI432644, AW162194, AI537677, AI494201, AI500659, AA425228, AI866465, AI540674, AI815232, AI801325, AL036652, AI500523, AI537617, AI538850, AI887775, AI270350, AI582932, AL043168, AI923989,</p> |
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AI872423, AI284517, AI500706, AI890576,
AI445237, AI491776, AW151138, AI521560,
AI889189, AI623799, AI500662, AI539800,
AW172723, AI582912, AI284509, AI889168,
AI440263, AI927233, AI866573, AI633493,
AI434256, AI252414, AI866469, AI273179,
AI805769, AI434242, AI888661, AI312364,
AI500714, AI284513, AI345180, AI888118,
AI285439, AI859991, AI436429, AL079799,
AI355779, AI889147, AI623736, AI581033,
AI371228, AI334884, AI491710, AI440252,
AI431307, AW269098, AL047422, AW268251,
AI114703, AI866786, AI860003, AI610557,
AI431316, AI433037, AI242736, AA808175,
AI887499, AW151979, AI539781, AI364788,
AI867068, AW268768, AI702065, AI539707,
AI885949, AW089557, AI559957, AI285419,
AI500061, AI521571, R65859, AI469775, AI866581,
AW079432, AW089562, AI567953, AI815150,
AI446495, AW131331, AW193530, AA845354,
AI445620, AI671642, AI816055, AC004922, U26541,
I19368, I19367, U65960, U72620, E08631,
AL137480, Y10080, AL080124, S63521, AL110221,
I48978, AF132676, AF061836, AJ242859, Z72491,
U92992, I89947, AF153205, AJ012582, L19437,
A08907, AL122049, A08913, E02914, AF151109,
Z82022, A08912, S77771, AL122093, A03736,
AL137479, A08910, A08909, A08908, S76508,
AL137271, AF017152, AL133049, AL110280,
AB019565, AI8777, A77033, A77035, X70685,
X52128, AL050149, AF061573, AL133072, S68736,
AI8788, X93495, AF067790, I89931, AF215669,
A76337, D89079, A08911, AR038854, I41145,
I49625, AF113694, S83456, A07588, AL117587,
AL049382, AF126488, AL023657, AL137533, X99717,
AF102578, AL133619, X65873, E03671, AF079763,

A76335, AF118090, E02349, AL117435, E02253,
AL133010, I89934, AL117432, AL133565, AL133606,
S78214, AL137539, AL122110, AF100931, AL137526,
A65340, X79812, AL133080, AL133081, AF192557,
AL133075, U72621, AL080163, AL122121, A08916,
AF078844, AL137429, AF175903, AF065135,
AJ238278, U87620, AL133014, AJ005690, AF182215,
AF115410, X72889, AF113677, I48979, U66274,
E06743, U78525, AF115392, AL080126, AL137550,
A58524, A58523, AL133104, AL133067, AL133077,
AL050277, AF118094, A65341, U58996, AL080074,
AL049466, AL133557, AL137529, AL110158,
AF090903, AL050155, AL137665, AF169154, Y10655,
AF113690, AF090934, AF104032, AF067420, X06146,
Y09972, AL117583, M86826, AB007812, M27260,
AF061795, AF151685, AL110222, AL133054, X63410,
S75997, AL133093, AL133558, I26207, AL050172,
AF017790, AL080158, E01314, AF090900, AF125948,
AL096744, AL050393, AF106862, AF081195, E07361,
I89944, AL133560, AL137537, AL049283, AL117460,
AF109155, M96857, A58545, U57352, AL050108,
AF004162, AL137488, AC004200, E01614, E13364,
Z97214, AL133112, U88966, AL117648, AF162270,
AR068751, AL137627, AF207750, A57389, AF118064,
AL137478, AC004383, I33392, D44497, AL137530,
AL133640, AL117626, AF143957, U95114, AL137459,
AL137711, AL050116, AL137558, A08915, AL10225,
AL122118, AL050092, X72387, AL050138, U42766,
A15345, AF106945, AF091084, X82434, X66862,
AR009628, AF118092, AF120268, AF094480,
AL137471, AL049452, AF044323, AJ010277,
AF090901, AF137367, U35846, AC003032, AL137300,
AF002985, I80064, AF114818, AL049464, L13297,
Y16645, AL049300, A86558, AB029065, AF097996,
E04233, Y11254, AR029490, AL122106, AF111851,
I46765

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| 1584 | HSYAP76 | 876701 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 484 of SEQ ID NO:1584, b is an integer of 15 to 498, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1584, and where b is greater than or equal to a + 14.</p> | AW411543, AL039599, AI351337, AI826980, AA160380, N67961, AI378493, AI951298, AI090558, AI348126, AA478324, AI200956, AA644040, AW024189, AA587243, AI812050, AI362845, F29594, AA776518, AA789114, AA931516, AI003566, AI707494, AA970343, H11327, AA947278, AA076341, AA915984, AI299557, AW299825, AA024520, AA258801, AA169301, AA342232, AA484880, W90755, AA516277, AI015269, R53617, AA113377, AI379669, AA829839, AA876766, H05518, AA053830, AI991853, AA810454, AI766365, R85352, AA502109, AA922383, H09142, AI680956, R69168, AA865843, H85022, AI886514, AA215481, R06394, AA524191, AA074146, AI638009, R76047, AA528723, F19676, AA588290, N56241, N75886, R22963, AW090423, AA088341, N22109, R75873, AA508387, N98357, N67304, AA749208, AA355684, AA258709, R87295, AI192394, AA477680, AA765589, AI886515, AA302356, AA670313, H11756, AA236894, AA304541, AA417858, AW167222, R51947, AA307613, AA478268, AA641818, AI252414, AI312364, AI244249, AI345180, AW269098, AW268251, AI348870, AW268768, AW073865, AI670009, AI473536, AI538259, AW409772, AI307604, AI433157, AI702073, AA838230, AI500061, AW084056, AI633125, AW152182, AI887308, AI872910, AL045500, AW020397, AW079432, AL040184, AI648454, AI766348, AL036631, AW162118, AW051088, AI698391, AI915291, AW088691, AI859991, AI582932, AI872423, AI889189, AI521560, AI866469, AW238688, W74529, AI281800, AI690748, AI569583, AI432030, AI610770, N75779, AI538564, AW161156, AI683173, AW089275, AA235825, AI623941, AI537677, AI890907, AI612852, AL046595, AI918435, AL047344, AI884318, AI569637, AA579618, AI868931, AA001397, |
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AI340519, R81679, AI860003, AI625079, AI890507,
AI499621, AW268067, AI620003, N33175, AI963058,
AA420722, AI471909, AL121365, AW198090,
AI890214, R32821, AI612750, AL037649, AI627988,
AL045163, AW151136, AI815232, AW103442,
AW078839, AL037454, AL119828, AL036802,
AI579901, AI538764, AL039274, AA502794,
AA908294, AI863241, AW020095, AI499986,
AI288285, AW083374, AI624293, AI590575,
AI345745, AI950892, AI801325, AI500523,
AI677796, AI537273, AL037030, AI611906,
AI797908, AI500662, AI866770, AI888661,
AL121564, AI498067, AW118518, AI241923,
AI254727, AI366900, AW193850, AW022808,
AW078735, AI889376, AI687362, AL038605,
AI564719, AA693331, AI783530, AI580190,
AI379711, AA505147, AI610895, AW160905,
AI866465, AL037582, AI567582, AL037602,
AI696612, AW163834, AF091555, U37408, AR014566,
AJ010483, AB033122, AF067795, U35846, I48978,
I89947, E04233, AR038854, AJ000937, Z37987,
AF090900, E12747, S63521, I48979, A08913,
AF087943, A58524, A58523, A08910, A08909,
AL023657, AF090934, AF125948, AL137271,
AF026816, AF111849, E07108, A77033, A77035,
AF090943, AF158248, AL133113, A08912, I89931,
AL050172, AL096744, AL080148, AL050393,
AF057300, AF057299, I00734, I49625, E00617,
E00717, E00778, AL133665, X72889, A08916,
AF113694, Y10936, X70685, AF146568, AL122118,
AR013797, AF113019, AF097996, I33392, AL049314,
AF026124, AF090903, AL137533, AL137488,
AL137476, AL133560, X81464, AL133067, AF028823,
Y16645, AL049283, AL122050, AF079763, AL049347,
AL050116, AL137558, AL137480, AJ012755,
AL133080, AL110221, AL117457, AF061981,

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| 1585 | HCRMV17 | 876716 | <p>AF104032, M92439, Y10655, AL137283, A65341, E05822, A08908, E06743, AF177401, U78525, AL137550, AL117435, A03736, AL110280, AL137557, AL080159, AF113699, Z82022, I46765, AF183393, Y14314, AL050149, AL133568, AF185576, Y07905, AL137294, S78214, AL122110, AL049300, AL050024, AL137478, E02349, AL137459, AL117460, AL050155, U88966, AF100931, AL110196, AL049430, AL137529, AL117394, AL137705, AF061573, AL137292, AL110159, X60786, AF132676, AL133640, AF061836, AL110197, X84990, A93350, AF039138, AF039137, AL133606, X83508, AL035458, AB016226, X82434, AF113677, L19437, AL050277, X72624, AL133075, X65873, AL137479, AR011880, A18788, A21103, AF091084, AF017437, AL117463, AL137523, AF061795, AF151685, AL133016, S68736, AF090901, AF106657, AF106862, S36676, AL049938, A18777, AR000496, U39656, AL080110, Y09972, AF090896, AF008439, AF098162, AF113013, AF054599, AF067728, AL117416, AF153205, A07647, I09499, AL050108, AF032666, S61953, X87582, Y11254, AL049382, AL117626, I17767, AJ238278, AL122100, AJ003118, AL050146, AL122093, AL050092, X98834, AL137463, AF113690, AL117644, X83544, AF111851, U58996, AL049466, AF090886, AL117440, AL110225, U80742, AF030513, AL050138, AL133031, AF102578, I42402, U00763, E03348, AF118094, AR038969, AL137538, AL080074, I03321, X59414, AF139986, U42766, AL137660, X53587, D83032, AF162270, X62580, AL117583, L13297, A12297, AL122121, AL122123, E15569, AL080124, AF119337, AF117959, AF113689, AF126247, A65340, U67958, AL137560, U67328, AL133081, AF151109, AL117649, E08631, AL133072, AL110222, AF079765</p> |
| | | | <p>AI492198, AA381672, W44823, AB002357, D26077</p> |
| | | | <p>Preferably excluded from the present invention are one or more</p> |

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| 1586 | HOEKC59 | 876719 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 714 of SEQ ID NO:1585, b is an integer of 15 to 728, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1585, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1794 of SEQ ID NO:1586, b is an integer of 15 to 1808, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1586, and where b is greater than or equal to a + 14.</p> | <p>AI436209, AW026035, AI401315, AI446530, AA588136, AI591172, AA497132, AA927681, AA497055, AI951115, AI200036, AW238900, AI493315, AI400504, AI089283, AI925204, AW069539, AA857330, AI191461, AI378670, AA410339, AI472923, AA747530, AA766215, AA234951, AA988960, AA037081, AI246277, AI167513, AA704133, AI080251, AI055948, AA614812, AA130081, AI015171, AI493376, AA235125, AA825222, AA449908, AW206209, AA130080, AA029281, W25810, AA613492, Z44379, T19354, AA406250, AA250960, N74300, T19203, AI417639, D82431, AI198426, R23635, Z40312, AW390845, D79780, D79680, R24115, AA455230, AW390828, D63116, AA465608, T10625, W51823, N88198, AA029425, AW390832, D19792, AA258657, AA449961, AA089740, AB003103</p> |
| 1587 | HKCSL28 | 876722 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 363 of SEQ ID NO:1587, b is an integer of 15 to 377, where both a and b correspond to the positions of</p> | <p>AI275539, AI299922, AI245421, AA872397, AI288931, AA927697, AI244692, AI378809, AA887588, AA917836, AA894628, AI299933, T28672, AL022315, M87842, M14079, M87859, M87860</p> |

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| 1588 | HHEFB46 | 876725 | nucleotide residues shown in SEQ ID NO:1587, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1472 of SEQ ID NO:1588, b is an integer of 15 to 1486, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1588, and where b is greater than or equal to a + 14. | AI052256, AI126717, AW189938, AA745594, AI885180, AW070663, Z99376, AI014817, AW239211, AI784576, AW327439, AA524748, AW073683, AW276639, AA835672, AI608763, N36799, AW247076, AA627848, AI127547, AA740916, AW327258, AA166916, AA568685, AA828239, Z99375, AA700740, AW327612, AA812422, AA099018, AA761648, AI051506, AA573156, AI025865, AA503846, AA592898, AA160273, AA775540, AA451628, AI185757, AA768416, AA687268, AI371140, AI371046, AA074799, AW029151, AW250428, AI138225, AI089539, AI004126, AA809470, AI537332, AI073676, AI190076, AI278484, AA167073, AA127406, AA649193, AA721424, AA715174, AA978034, AA524391, AI923795, W88636, AA393865, AW403551, AA173982, AW362155, W73908, AI635344, AA856908, AA962673, AI024400, AA992622, AI167830, AA314538, AI031946, AI752947, AA100657, AI922493, H83589, AA593126, AA888675, R54097, AA031733, AI033288, AA506081, AI380802, AI491801, AI953284, AA085335, AA127405, AA515785, AI761093, AA076411, AA075012, AA305905, W76601, AI039462, AA450223, AA112634, AA082732, W74770, AW341032, AA725074, AA074990, AA009468, AA889213, AA565437, AW079297, AA099096, AI064753, AA027240, H00352, AA173626, AI380804, W88554, AA076267, AW105351, AA076266, W52167, AW021312, AA693887, AA164763, AI249663, AA031732, AA403080, R89292, R51433, AW327440, H02543, N52907, AA113337, AA127505, AI282747, AA164762, AA411811, AI459951, AA133539, AA514558, AI197787, AA160272, AW393147, AA314358, AA933718, C00036, AA639385, |
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| 1589 | HWBBS84 | 876726 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 984 of SEQ ID NO:1589, b is an integer of 15 to 998, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1589, and where b is greater than or equal to a + 14.</p> | <p>F25558, H02544, AI696072, H71452, AA361575, R11641, AA115764, AI720134, R54151, AA588847, W73014, R99520, R89293, AA969406, AI797468, AA864670, AI083791, AA628031, AA974650, AA053334, AI379135, AI380120, AA058648, T27975, AA393799, AA738408, AA076505, H94038, AI126113, AW449655, AI686294, T47873, T73141, R16766, AA810517, T74664, R07722, R07723, AI300209, N45959, H47972, AI379137, AA903779, AA876048, AA320546, AA922980, AA782268, R10017, AA644180, R15278, AA356761, AI688217, R93621, AI476203, AI267797, AA027239, AA910612, AI201954, R09847, AW364121, AA179728, H47662, AW104377, AA872213, AI718364, AW166745, AA191273, AA492543, T83787, W24030, AW197934, T11052, AI686637, AW351540, N55602, AA127491, AA665178, W63552, AI143483, R99521, AA009700, R85393, T03064, F05216, F06634, T18456, H94124, M29536, X73836, AL031668, AC007934, AF076927 AA775676, AA306997, AW299505, AA295175, AI660377, AI698467, AI925518</p> |
| 1590 | HSIFZ22 | 876728 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 984 of SEQ ID NO:1589, b is an integer of 15 to 998, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1589, and where b is greater than or equal to a + 14.</p> | <p>AI554023, AI913274, AW383970, AW383965, AW383954, AI539770, AI609013, AL043107, AW383974, AW383967, AW167072, AW383980, AI591170, AA001432, AI612801, AW129469, AI799420, AA001431, AW383968, AI978633,</p> |

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| 1591 | HCRNB80 | 876731 | is any integer between 1 to 2108 of SEQ ID NO:1590, b is an integer of 15 to 2122, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1590, and where b is greater than or equal to a + 14. | AW383979, AW380739, AI289788, AL041919, AI375787, AA888783, AI560125, AW383982, AI129128, AI073851, AI818814, AA157885, AA157573, AW365658, R53920, AW363206, AI590019, W67551, D29067, AA143454, AI273137, T29043, AI681062, AA862112, AW383985, R53921, AI609506, AI648445, C00135, D29068, AI567045, W67580, N74341, AW189660, AA143453, AI168413, D29362, AW383976, AW363205, AW392754, T25083, L34155, X84900, X84013, X84014, U61261, X85107, X85108 |
| 1591 | HCRNB80 | 876731 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1591, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1591, and where b is greater than or equal to a + 14. | AI750182, S79871, S79910, U37431, S79869, AC004079, Z64816 |
| 1592 | HTPAY47 | 876732 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1202 of SEQ ID NO:1592, b is an integer of 15 to 1216, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1592, and where b is greater than or equal to a + 14. | AL045837, AW290917, AI925409, AW168903, AW068826, AI083568, AW026383, AW262903, AI926513, AI979214, AI890598, AI750592, AW339074, AA418236, AW029483, AW022107, AW295181, AA664461, AI752803, AI740606, AI147688, AA970819, AW068765, AI473816, AI751522, AI925816, AI459360, AI752768, AI752291, AA639417, AI460028, AI752525, AI750945, AI694639, AA599476, AW131293, AA242752, AI750659, AI889686, AI888426, N71781, AI357766, AW021892, AI755098, AA350793, AW067910, AA853461, AA298896, AI784082, AA853579, AA852453, AA852454, AA853800, AA307755, AI925501, AW021059, AA976657, |

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| 1593 | H2LBA37 | 876743 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 675 of SEQ ID NO:1593, b is an integer of 15 to 689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1593, and where b is greater than or equal to a + 14.</p> | <p>AW150473, AW166734, AA627471, R30650, AI752649, C01914, AL049389, AL109718, AB033025, I95744, AR053539</p> <p>AA315933, AA314510, AF121164</p> |
| 1594 | HWLIP86 | 876744 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 932 of SEQ ID NO:1594, b is an integer of 15 to 946, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1594, and where b is greater than or equal to a + 14.</p> | <p>AW024392, AF121164, AA863031, AA639871, AA954258, AA877523, AA741216, AI289873, AA515094, AA568880, AW272162, AA315933, AA314510, AW135907, AA887896, AA954266, AA577173</p> |
| 1595 | HGBAM79 | 876745 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 861 of SEQ ID NO:1595, b is an integer of 15 to 875, where both a and b correspond to the positions of</p> | <p>AA424088, AA419164, AI003828, T28640, H69474, Y00291, M96023, S56660, X07282, AF110730, AF110729, AF157483, X59473, I09352, I09359, S63196, X57340, X57339, X56674, X57341, M96022, I09358, M96021</p> |

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| 1596 | HKAUFU85 | 876747 | <p>nucleotide residues shown in SEQ ID NO:1595, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1243 of SEQ ID NO:1596, b is an integer of 15 to 1257, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1596, and where b is greater than or equal to a + 14.</p> | <p>AI346365, AA641709, AA627539, AI340146, AI909720, AA555216, C16952, AW014754, AA857163, AA975933, T29526, AI431323, AI269804, AW371982, T61465, D29449, AW268543, M30704, AR052268, M30699, M30703, AR052271, M30698, AR052272, M30700, Y09830, M30701, M30702, AR040760</p> |
| 1597 | HNFE067 | 876750 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 927 of SEQ ID NO:1597, b is an integer of 15 to 941, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1597, and where b is greater than or equal to a + 14.</p> | <p>AW361809, AA775705, AW361849, AA639664, AW361714, AW370643, AW361561, AW378536, AW378537, AW378541, AA088182, AI185232, AI679593, AW378535, AI831033, AW390710, AA043959, AA088652, AA968933, AA621368, AA628938, AA524822, AA043825, N21038, AW062555, AW361879, AI620610, AI906062, AW385408, AW373796, AW385411, AW385415, AW360894, AF112225, H75542, AW385929, N84722, T19738, AW193817, AW379467, AL135407, AA096480, AA911574, AA745725, AI245925, AA128676, AI087249, AI744235, AI752870, AF201337, X05276, Z98883, AC006316</p> |
| 1598 | H2MBA27 | 876752 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 491 of SEQ ID NO:1598, b is an integer of 15 to 505, where both a and b</p> | <p>AI571948, AA308400, AA573793, AA314326, AA568312, AA614579, AI925552, AA307578, AA507595, AA614409, AA314825, AA578674, AA582084, AW009769, AA514776, AA588034, AW004668, AA587613, AA58276, AW050700, AI624586, R83818, AI001051, AI910275, AW050690, AA864309, R83377, AA524242, AA507418, AI202532, AI307407, R55389, AI970839, R55292, AI909751,</p> |

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| 1601 | HOEMQ68 | 876762 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3082 of SEQ ID NO:1601, b is an integer of 15 to 3096, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1601, and where b is greater than or equal to a + 14.</p> | <p>T40470, AI904794, AA384278, AI568036, T39196, C75672, T27972, D55752, R22288, AA862190, AI907464, AA149395, AA513034, R35775, AA484012, AA649723, AA160260, AA074934, AA262411, AA828667, AA501402, AW302880, AI076612, AA506004, AA975564, D19957, L10911, L10910, AL034370</p> <p>AI810904, AA603949, AI680975, AI754691, AI126502, AI393833, AI770102, AW261877, AI335098, AI633698, AI093265, AI027769, AI885125, AI373081, AI580943, AI393771, AA749301, AW338708, AI250780, AA287845, AW453050, H71837, W03966, AA152044, AA603836, AA287846, AA042955, N99630, W02451, N25637, AI917997, AA244066, R63787, AA578977, AW239000, R78310, H54574, AA037115, N34235, AI240141, AW130305, H02870, AA042815, R73884, AA334992, AA114063, AA515422, AA368391, R62757, AA311857, R82819, AI128764, R63733, AA664138, AA953035, AA113801, R63857, AA298118, R23143, R62758, T69806, AA303428, R34175, R73971, H59544, R23144, T70792, R31823, R82820, AI933547, AA244223, AI806610, AA742952, AI453225, AA327996, AW338192, R22283, R77939, AI240290, N72673, N95485, AA152084, AI383282, H60415, N98505, AW361055, R32084, R31777, R34297, R32031, AA374818, AA300327, AI076967, AA622059, R63858, N73903, AW150955, AI368478, AA037154, AW087179, AL080209, X67780, AF130561, M96248, M64474</p> <p>AA347863</p> |
| 1602 | HHFCP36 | 876764 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 322 of</p> | |

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| 1603 | HTXKH86 | 876767 | SEQ ID NO:1602, b is an integer of 15 to 336, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1602, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1021 of SEQ ID NO:1603, b is an integer of 15 to 1035, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1603, and where b is greater than or equal to a + 14. | AA314774, AI291017, AA191539, AI298290, AA147791, AW238920, AA308544, AA187762, AA081307, AA075926, AA773549, W52392, AA780574, AL038991, AA307244, AA181578, AA081167, C06415, AW402249, AA165319, AA132481, AW247110, AA076454, AA079384, AA304499, AA181561, AI857405, T35498, C06389, AA181655, AA314234, AA352654, Z45227, AA992505, AW000888, AI651014, AI392985, T34265, AI344273, AW341319, AA190808, R71708, AF104669, U87954, AR035973, U59435, X84789, U43918, U50137 |
| 1604 | HISCI72 | 876771 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2217 of SEQ ID NO:1604, b is an integer of 15 to 2231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1604, and where b is greater than or equal to a + 14. | AI743600, AI885169, AI937505, AI042181, AA854952, AI522015, AA400219, AI522002, AA305093, N26064, AI888285, AA400130, AW296334, AW292016, AW440393, AI146794, AA187458, AI262079, AA855005, AI476446, AA187590, AI202446, AA860740, N50825, AI014949, AA041540, AA846133, AI335358, AA885027, AI038001, AW163208, AW070692, C06284, AA838476, Z43206, C05759, AA190468, AI680041, AA635314, AI034110, AA622708, AI000051, R64675, W44694, D60048, AA805958, F07813, Z40908, AA565995, F02659, AI471921, F05522, F05523, AI034108, R27644, AW236720, AA039917, AW163735, R64676, R27550, W38645, F01794, F01795, AW263460, D52614, AW151942, AA090824, C00912, X92396, AJ225782, X96737, AJ004799, AJ225808, X95807, AJ133541, AJ133539, AJ225807, X95806 |
| 1605 | HJACJ75 | 876773 | Preferably excluded from the | AA309052, AW247981, AA311506, T87086, AA352616, |

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| 1606 | HTEDS58 | 876776 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 665 of SEQ ID NO:1605, b is an integer of 15 to 679, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1605, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1663 of SEQ ID NO:1606, b is an integer of 15 to 1677, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1606, and where b is greater than or equal to a + 14.</p> | <p>AW339919, R01803, AW054854, H63371, AI097555, AI128037, AW392879, AW392871, AI197762, AW392909, H45736, U18300</p> <p>AA147098, AA506483, AA459122, AA553631, AA687219, AA639000, AA507321, AI475344, AW016032, AA902221, N47467, H15303, W69943, AA419435, W69833, AA680161, T27895, AI680311, H93979, C75158, H93980, R25544, AA223335, H15697, AI758259, AW079484, F02620, AI933243, AI680312, F02623, AI191766, R12384, AA371184, AA714796, AI383543, T69739, R09794, AI873805, AI581822, AI371311, R15273, AA093267, AA312224, S67325, X73424, AB000886, M14634, M13573, AJ006497, AJ006496, AJ006499, AJ006494, AJ006488, AJ006491, AJ006493, AJ006492, M31167, AJ006498, U86128, M31169, AJ006495, M31168, AJ006489, AJ006490</p> <p>AA347492, AA307478, R18976, AA233030</p> |
| 1607 | HUVHP60 | 876789 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1195 of SEQ ID NO:1607, b is an integer of 15 to 1209, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1607, and where b is greater</p> | |

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| 1608 | HUFCI29 | 876791 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2594 of SEQ ID NO:1608, b is an integer of 15 to 2608, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1608, and where b is greater than or equal to $a + 14$.</p> | <p>AW007623, AI963511, AI587104, AI453405, AI694729, AI796832, AW363443, AW387811, AW387793, AI826957, AW361899, AI955696, AI955780, AI827005, AW387799, AI828295, AW192552, AA581220, AA527188, AW387817, AW363244, AI818260, AI956167, AI801443, AI904486, AI400372, AI921063, AW338519, AI693877, AI074261, AI927711, AI956102, AI920992, AI972695, AI911695, AI828218, AW076111, AI682785, AI921387, AW387812, AW337936, AW363218, AW364488, AI346975, AI913862, AW440967, AW130304, AW360772, AI696946, AI672948, C05920, AI587485, AW070932, AI635943, AI262029, AI739440, AA100719, AI955836, AI262264, AW376483, AW130542, AI972967, AW175800, AW387796, AA579753, AI446049, AI569938, AI934313, AI609930, AI677998, AI431963, AA553880, AI828330, AI597812, AA040073, AW360835, AA917638, AW377104, AI682718, AI354639, AW376508, AW192548, AI962102, AW376484, AW392307, U47705, AI813978, AW362727, AW361642, AA828073, AI261531, AI277071, AW136050, AW361304, AI934325, AA152037, AI695028, AI631388, AW377034, AA316326, AI470301, AI962061, AW377083, AW360762, AW362547, AI640638, AW391349, AW375920, AW376475, AW243579, AA130547, AW365061, AI961867, AA135037, AA581264, AI250167, AI453469, AI696953, AW376234, T29561, AI589481, AI582988, AW387713, AI537547, AW387715, AW376010, AI926514, AA132781, D45505, AA367446, AA838269, AA295348, AI828399, AI473526, AI587351, AA053595, T93569, AW376489, AW393447, AI584131, AA132182, AW360942, AL121028, AI569894, AI264699,</p> |
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| | | | AI264753, AW377162, AA132598, AA055605, U53097, AA587700, AW387798, AW387806, AI572732, AI955608, AW373707, AA834430, AW374782, AA584940, AI872586, AW176585, AW364936, AW373781, AW373783, AW373636, AI611749, AA053542, AW374712, AW198029, AW075785, AA132613, AW373627, AW338946, AW374717, AA366310, AA151939, AW364088, AW373705, AA366104, T29474, AI991653, AW364960, AW375981, U54607, AW373640, AW365022, AW373637, AW374744, AW373728, AW363272, AI572766, AA366576, AI904461, AW383505, AW383659, AA588827, AW362544, AW383654, AW373780, AW360980, AW376560, AW373706, M18728, E01972, I08158, M18216, M29541, A43167, E01971, M29540, M17303, AR044683, E03351, D90312, M69176, D12502, I08161, I08159, M72238, J03858, E03352, D90313, I08160, I08157, X16354, E03350, D90311, AR052807, AR052808, A39900, I08156, M15042, X16455, E01630, A43169, A43165, X52378, D90064, AC005204, AC004558, AC005392, AC005797, AC004785, AC004610, E03349, D90278, X16356, AF107735, AF006622, M17082, M16234, E03348, D90277, M22433, L00693, I08155, L00692, X16454, A37261, X62151, M16337, I08137, I08165, M76742, AF006623, U06673, M59260, M59256, M22434, M59257, M59258, U73590, U73589, T92142, AA040122, AA054073, AA054457, AA134992, AA939328, T10888, AI445504 |
| 1609 | HCRNO02 | 876795 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1999 of SEQ ID NO:1609, b is an integer of |

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| 1610 | HAUAF56 | 876798 | <p>15 to 2013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1609, and where b is greater than or equal to a + 14.</p> | <p>AI367070, AA976607, AA583461, AI249930, AW051844, AW205361, AA507715, AI954585, AA222244, AI273733, AA126244, AI087863, AI251918, AI334712, W67736, AI242730, AA101742, AW135527, AW402172, AA640129, AI347209, AI286337, AI581372, AI469691, AA069014, AA934842, AA508884, AI887809, AA831979, AI244186, N50480, AI275702, N50424, AA736752, C20724, N95586, AW304156, AA459318, AW192272, AI275964, AA947333, AA902224, AI220977, AA742300, AA321817, AA553858, R63954, AI933896, AI569580, AW084360, AI802071, AA888637, AI802496, AA364540, AA330481, AI623357, AA459100, AI879891, AA321816, AA806651, AW270487, AW117230, N73503, AI763427, AI570080, AA602961, T27344, W25008, AA306002, AW377570, AA016984, W67735, AA377036, AA092406, AA876851, R27168, AA069079, U18914, S82081, U35428, D82579</p> |
| 1610 | HAUAF56 | 876798 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 590 of SEQ ID NO:1610, b is an integer of 15 to 604, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1610, and where b is greater than or equal to a + 14.</p> | <p>AA843663, AI636447, AI652163, AI741572, AI734839, AI191667, AI311840, AI092011, AA838667, AI651387, AW236921, AW241575, AA861653, AI800862, AA602368, AI689816, AW051840, AI354951, AA573089, AI148406, AI141828, AI183782, AI194006, AI693445, AI635512, AI493869, N90872, AW237388, AI126737, AA732844, AI192168, AI217045, AA137055, AA994789, AI493086, AA845631, AI094429, AL047557, AA181124, AI140430, AI860338, AA723326, AA506514, AI718897, AI142056, AA694462, AA527690, AA719919, W60495, AI128784, AA295736, AA719929, W74729, AA046090, AL079932, T27623, AI183793, AA777211, AA187497, W60781, W02217, AL047558, AI962738, W57590, W58378, AI040455, N78658, AA128249, AI092598, AI127083, AI767352, C00790, AI796294, F21069, AI962745, W58054, R82964, AI127007, AA319961, H25260.</p> |

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| 1611 | HHEUM25 | 876802 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 965 of SEQ ID NO:1611, b is an integer of 15 to 979, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1611, and where b is greater than or equal to a + 14.</p> | AA046133, F29476, AI024494, D57900, AA187496, R27633, F15904, N92901, F16228, AI880466, AA513941, AI028160, AA320194, AI942291, W15147, AA515161, AA319909, H27992, AA137126, AA032269, W17092, AA305767, AA317925, AA315585, AA316680, AA385920, AA082685, AA393514, AA319917, R82782, W21107, H58270, W60536, AW385090, AI857611, AA320009, AA125888, H48415, W74517, AI080481, H74142, W23645, F37285, AI831575, AW009545, AW405620, AI766029, AI208938, AI338767, H30492, AI907307, F00610, N86957, AI955298, AI904744, C02928, F31730, AA300671, AW375698, AA778636, AA314317, AW131256, AW173066, AI590946, AI880624, AI566275, N91884, AI610714, AA640156, AI573297, AI475815, H26962, AI923989, N25033, AA804541, AI638798, J02874, A98023, M94856, AF181449, AF102872, AF136241, AP000547, AP000365, I88901, R82963 |
| 1612 | HWLQW0 ₈ | 876804 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 490 of</p> | AI817822, AA148948, N50594, N25959, AA086480, AA148949, AW272750, AA374494, AW105366, AA160920, N50540, AA602221, AA160014, H53938, AI079093, AI015698, AI439431, T89890, AA086479, H83411, AB033097 |

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| 1613 | HOEP07 | 876807 | <p>SEQ ID NO:1612, b is an integer of 15 to 504, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1612, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1636 of SEQ ID NO:1613, b is an integer of 15 to 1650, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1613, and where b is greater than or equal to a + 14.</p> | <p>H52824, R55417</p> <p>AI290876, AI765569, AI808777, AI338031, AA913566, AA573434, AI568487, AW175945, AI365073, AA845201, AA919010, AW418765, AA236333, AI127241, AI014784, AA687950, AA860243, AI393429, AA236239, AI266211, AA315078, AI802767, AA581469, AA620711, H45711, AI679135, AI572470, AA332122, AI024576, R70552, AA296901, AI809670, AW008766, AI915360, AI687397, AW023240, H45668, H04001, AA297249, AA621680, AW188056, D25944, AW196645, AA506116, H26091, AW193001, R70465, AI784132, AA382289, H03205, AI537449, D58213, AA298492, AA298805, D58295, AA904960, AA298494, AW020800, C03318, AA370634, AF105036, U20344, U70662, AF117109, AF022184, U70663, L26292, AB028623</p> |
| 1614 | HCQAE79 | 876809 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 973 of SEQ ID NO:1614, b is an integer of 15 to 987, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1614, and where b is greater than or equal to a + 14.</p> | <p>AI346844, AW001371, AI991265, AI246778, AI749252, AI832475, AW000710, AI672920, AI991837, AI677743, AI281892, AW000809, AI991841, AI983400, AI673613, AW054915, AI991308, AA857748, AI672894, AI732375, AA534503, AI475425, AI673137, AI732350, AA523410, AI991039, AW001307, AA327452, T28149, AA327059, AI991842, AW374797, AI688199, AI475214, M94132, L21998, I95743</p> |
| 1615 | HCQDR53 | 876811 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a</p> | <p>AI738919, AI923216, AW237190, AI769620, AW137673, AI905420, AI905431, AI148633, AW272315, AA587775, AI499299, AW072235, W60565,</p> |

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| 1616 | HOEFO36 | 876816 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1473 of SEQ ID NO:1615, b is an integer of 15 to 1487, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1615, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 699 of SEQ ID NO:1616, b is an integer of 15 to 713, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1616, and where b is greater than or equal to a + 14.</p> | <p>AA774861, T85091, AA150805, AA666115, AA150811, T33125, AA173650, T84156, R49735, AA150702, Z43018, T35291, H82424, R72617, AI221587, Z38222, Z39956, AA150709, F03307, R48157, T35290, R40351, T35286, H71220, F03153, D61519, AI650460, H71219, AF034745, AF034746</p> <p>AI453687, AI571506, AI417180, AI453138, AA993886, AI048366, AI587024, AA769711, AA908543, AI333633, AI692876, AW007640, AI399951, AI983818, AI750469, AI433964, AW130422, AI355200, AI567515, AW069544, AI367996, AW338539, AI925385, AI583403, AI014460, AI077522, AI435310, AI969659, AA149832, AI016334, AI016317, AI804042, AW068411, AA131691, AI339632, AI750268, AA476585, AI955590, AA962069, AI753179, AI247016, AI338848, AW073799, AI753153, AW068385, AI378389, AW073223, AI752287, AA600284, AI474336, AI359229, AA569973, AI342311, AI623621, AI753719, N23207, AI587013, AW068131, AA149811, AA723444, AA996275, N90797, AI888908, AI016443, AI961932, AI445548, AI783830, AA252895, AW382060, AA860598, AI417168, AI913843, AI624276, AW078934, AI635286, H88017, AW296238, H38240, AA131706, H88241, H88729, AI251004, AI351084, AA481319, AA194241, AI520853, AW068232, AI566383, AA853382, AA055161, AI610126, AW021156, AW021155, AI359367, AA586748, H78023, T79480, AA853653, AA779368, R40660, W86006, AW023185, AA055064, T94348, AI033179, AA677178, AA976366, R51036, AA156786, AA131536, C00154, AA131612, T28255, AI701212, R40533, C16582, C21348,</p> |
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| 1617 | HFIAL22 | 876817 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3508 of SEQ ID NO:1617, b is an integer of 15 to 3522, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1617, and where b is greater than or equal to a + 14.</p> | D25653, H88728, L12350 AI346330, AA149866, AW190828, AA149859, AA625208, AA156875, AA569973, AW237648, AI610126, AI016317, AA315598, AA741426, N28788, AI247016, AI753179, AI160032, AA476585, AI033179, AI130835, AI342311, AI359229, AI016334, AI378389, AA600284, AW376487, AI753153, AI804042, AI474336, AI338848, AW068385, AA677178, AA435731, AI750719, AI752286, AW376482, N23207, AI075364, AI623621, AI359367, AI752287, AW068222, AI587013, AA962069, AA996275, AI750268, AI137125, AI246892, AI753719, AW073223, AA252872, AI417168, AI955590, W19516, AA397612, AA137054, AA316564, W94600, AI750531, AA723444, AI453687, AA860598, AW382060, AI752635, T79570, AI624276, W95178, AW067923, AW294003, T28255, AW296238, AI571506, R51145, H88729, AA331775, AA313295, AA481319, H78022, AA307252, AI351084, AA316570, AA625464, AW023185, N83257, AA448908, R14334, AI417180, AI520853, AI566383, AA055161, AA307888, AA639814, AA853383, AA993886, T79480, AA375731, AA853653, W86005, AW299293, H88728, AA327868, AA055064, AA906543, W86006, AW068232, AL048366, T94703, AI333633, AI587024, AW007640, AI750469, AI453138, AA193298, AA769711, AI983818, AI692876, AW130422, AA131536, C00154, AI355200, AA131612, AI367996, AW338539, AI925385, AA382961, AI399951, AI433964, AA344029, AW068411, AI014460, AI701212, AW069544, AI750269, AA374787, AA040676, AI583403, AI567515, W46226, AI969659, W46227, AI077522, AA149832, H38013, AW073799, AI435310, AA976366, C21348, AA149811, AA131691, D25653, N90797, AW068131, AI635286, AA252895, AI888908, AI783830, AI961932, N66997, AI016443, H88017, |
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| 1618 | HWLMN8 5 | 876822 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 888 of SEQ ID NO:1618, b is an integer of 15 to 902, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1618, and where b is greater than or equal to a + 14.</p> | <p>AI913843, AI445548, L12350, M81339, X96540, L07803, M60853, M87276, M64866, X87620, M62462</p> <p>AI742117, AW051723, AA933088, AI246040, AI702461, AA612941, AA017379, AI362464, AA173916, AI474790, AI802234, AI863510, AA059061, AI284788, AA724009, L20826</p> |
| 1619 | HCGLC91 | 876823 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1619, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1619, and where b is greater than or equal to a + 14.</p> | <p>AI140351, AI859347, AA530873, AA121548, AI815642, AA768342, AI864674, AA127712, AA722381, AA987515, AW275917, AA417302, AI354682, AI025466, AI859814, AA130959, N92869, AA100477, AW190165, AA768339, AI920875, AI051671, AW089493, AA417265, AA587755, AA045598, N21328, AA314322, AI371694, AA844332, AA043186, AI567303, R83064, AI350331, AW193146, AA580315, AI039892, AA828283, AI952434, AW377665, AI289086, AA100476, AI014387, AA917482, AA975893, N21020, AA621534, AA045597, H94056, AA306867, AW406948, AI564973, AI816957, AA729835, AI289415, AW103201, AI187288, AA661773, H80956, W04309, AW088039, AI018462, AA649285, AI083853, AI952495, AI419448, N47889, R89903, N27984, T40562, D82429, N80197, AA868207, AI955989, AI091426, AI873582, AW138496, H81296, AI288157, AI833059, T91268, R63140, AA130829, D12288, AA298770, AI699667, AI942324, AA310276, W22908, AA074395, D12293, T91580, AA342276, H81350, AA053266, AA353671, AI202414, AI832968, AA342277, AW084334, W25596,</p> |

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| 1620 | HMHBJ66 | 876829 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2246 of SEQ ID NO:1620, b is an integer of 15 to 2260, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1620, and where b is greater than or equal to a + 14.</p> | AA297193, AW351513, AW377656, T98269, D12294, AI866230, AI908913, AI868829, R83013, AI220723, T85780, AA344066, AA382073, AI310801, AA807562, AI908912, W38488, T91628, AA193223, AI864799, C75247, AA370966, AI144388, AA334159, AW381854, AA311797, AW381856, N51146, AA100050, AA314221, AW380232, AA788629, N74141, AI802279, AI818065, AA894373, AW021281, AL122042, AC007842 AW392298, AW272601, AW014611, AI080627, AA430298, AW384668, AI797727, AI608964, AW272675, AW102844, AA176108, AW377459, AI131469, AI084855, H39807, AA625560, AI056544, AI753175, AI091091, N39574, AW071471, H49986, AA910009, AW439892, H17269, AI963968, AI038233, AI037961, AI038179, Z43393, W44646, H23373, AI656018, H01113, AI908070, AI908158, AI206196, AI831184, W28309, H17270, H23766, Z39465, H50029, AA307687, AW270187, H39808, T35734, N46719, AA031949, AA331031, T34994, AA320956, AA032033, H23262, N38880, H16357, AA355879, F02185, H23737, AA307468, W47462, AA127936, AI352060, F05939, F07123, AI342167, H16309, R27641, AA765464, AI342795, AA176107, AW238220, AI061303, W44647, AA746939, AA524800, AA856945, AA054355, H81732, AA664924, AI624800, AW265688, AA515440, AW023975, AA714524, AW166920, AA054055, AA290802, AI478965, N34258, AA564682, R20234, AW338370, AI049845, H01243, AI749527, AW338244, AA588353, AA745302, AI859744, AA362732, AA528566, AA523695, AF155120, AL034423, U39361, AP000505, AL021453, AC007036, Y14768, U63721, AC003982, AC007193, AC002511, AC004841, AC005632, AP000126, AP000204, Z85987, AC005920, AC005291, Y11107, AJ246003, AF001552, AC005318, Z81359, AL109613, AF111169, AL022322, AC005846, AL121655, AC004181, AL031662, |
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| | AL096701, AC004000, AF038458, U47924, AF001548, AF196969, AC005529, AL049747, AC005921, AL022316, Y18000, AC005348, AL009031, AC007842, AP000359, AC005874, AF134471, AC005091, AC002326, AC004216, U93305, AC004985, AC007845, AL118497, AC002351, AC006388, AC006064, Z83844, Z98949, AC004865, AL080243, AC005086, AL049795, AC005099, AF067844, AL035072, L78810, AC005231, AL121658, AL117337, AL049843, Z97053, AC002302, AC002377, AC005288, AC005822, AL031289, AC003102, AL021546, AF165926, AC005004, AC005081, AC004531, U52112, AL078602, AC006059, AC004814, AC003010, Z93020, AL022320, AL132642, M89651, AC002565, AL049869, AP000117, AC004812, AL049748, Z97054, AC006390, AC006197, AP000104, Z54246, AC016026, AC004081, Z82198, AC004816, AC002492, AC006241, AC007537, AC006023, AL035420, Z99128, AC004019, Z97989, AL031311, Z81357, AC004797, AC003029, AC008122, AC005841, AL133485, AP000688, AC005102, AP000692, AC000353, AL031291, AC002288, AC006071, AC004887, AC002357, AC006276, AC007040, AL031728, AC004837, AC004685, AC005753, Z82190, AL133448, AL023553, Z95114, AC006449, AC005516, U95742, AC002375, AC006160, AC011456, AC004876, AL023807, AP000513, AC004477, AF039907, AL049779, AC006480, AL031281, AL133355, AC007458, Z49258, AC003689, AL049694, AC005225, AC000026, AC004491, AC004770, Z98750, AC004587, AC004921, Z94721, AC010205, AF073485, AC004257, AL021707, AC005736, AC002364, AC004687, Z97630, AL080317, AC002465, AL035405, AC004858, AC003037, Z98036, AC000003, AC003108, AC005180, AC006117, AL133445, AC004021, AC004526, AC004890, AC005280, U80017, AC002551, AC006075, AP000014, AB023049, AC004882, AC005839, |
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|------|---------|--------|---|---|
| 1621 | HCQDG08 | 876830 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1063 of SEQ ID NO:1621, b is an integer of 15 to 1077, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1621, and where b is greater than or equal to a + 14.</p> | <p>AC008040, U91323, AC003025, AC004851, AC005944, AL049569, AC005512, AC008033, AC004167, AL049709, AC005546, AC002073, U96629</p> <p>AI174828, AI300532, AW301004, AW247121, AW184021, AA702640, AI291396, AI245914, AI033187, AA911317, AA017031, AA908694, AI017594, AA826532, AI002533, AI357704, AI033267, R83870, AI268718, R83871, H92338, H52695, T29050, AI651192, W26286, H92737, H68163, M76180, M88700, M74029, M84601, M84592, M84590, M84591, M84588</p> |
| 1622 | HE8BX38 | 876831 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2363 of SEQ ID NO:1622, b is an integer of 15 to 2377, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1622, and where b is greater than or equal to a + 14.</p> | <p>AI870000, AA150252, AI818389, AL037804, AW069455, AA452480, W30731, AI498817, W07047, AL036760, AA044764, AW022281, AI129268, W67847, AI032084, AI032081, AI150677, AW338118, AW067848, AW149812, AI336313, AA700790, AA826256, AA931652, AI139518, AI3559798, W94966, W17308, AA902723, AA662948, N21313, AA532767, N36278, W75997, AI970175, AI056480, AA741357, AI148372, AA044727, AA121421, AI089380, W17302, AI042150, N52985, N67294, W68682, AW449003, AI270317, AA121268, AW183001, W68776, AI419420, AI356058, AI349330, AI336371, AI359448, H99951, AI989381, AI131425, R80714, AI147483, AI311537, AA150261, N31548, AA885103, AI418180, AA709414, AI141649, AW338638, N55437, AA001935, N78914, N98212, AI052219, AI367635, AI862034, W76647, R79546, AA780884, AI187177, AI333805, AA045312, N24823, W74064, AI623918, N76810, W93372, AI033256, H50726, H15534, AI349421, H15591, D56381, W67788, W63753, N31248, W61122, AA045418, W69374, W69375, W70299, D56097,</p> |

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| | | | | R16959, R79547, Z26985, AA371284, AW075272, R82468, H03770, AA557276, T54892, AA193674, R71125, H67495, AI903697, AA054724, T88917, AA054671, T60999, AA328030, W73059, AI869152, AA299007, AA088621, AA099163, T28498, AI249109, T47984, N21531, N78876, AA343326, AW023118, R16904, R27685, AA370412, AI537432, R22973, N71889, R36621, N93462, H21723, T84233, AA688295, T47983, R71628, W21232, H02874, AA090586, R27587, R35753, AA383049, R23079, R38472, AI499335, AW369677, AI636170, AA303089, R80715, N88610, AA190565, AI498550, AW175704, R82469, R35646, R58194, AA204890, AA055544, N84016, AW379755, R36622, AA733037, N56466, T60941, R29162, AA218875, AW161156, AI621341, AI473208, AW051088, AI918809, AL135047, AI927233, AI590227, AW075382, AI540674, AI539260, AI475688, AI537677, AI698391, AI538885, AI691131, AI859991, AA128805, AW008779, AI950892, AI475371, AW410259, AI524179, AI521560, AI435253, AI814594, AW238688, AI499890, AI636507, AI797538, AI524654, AL047675, AI623941, AW105460, AI630932, AI866457, AI421523, AI560545, AI670895, AI225000, AI620864, AI648494, AI633125, AI499325, AA836168, AI538564, AL038445, AI915291, AW152182, AI582932, AI590043, AI872423, AI619820, AI434731, AI889189, AI479292, AI866469, AI500714, AI884318, AI452560, AI638644, AI570056, AI370623, AI799313, AW189716, AA641818, W74529, AI860027, AI701097, AI499570, AI633009, AI446538, AI590020, M30269, M27445, X84837, X84836, X84835, AL096744, I89947, AL049339, AR038854, AF087943, AL133624, M96857, Y13653, AR034821, A77033, A77035, AL136884, I48978, |
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AB028451, AF079763, A91160, AL117457, AL137480,
A91162, AL049423, AL049347, X99226, AL023657,
AL050277, AL110280, AL117587, X83544, A08913,
Z13966, AF126488, AF185576, AL117435, A03736,
Z97214, A08456, A31057, I33392, A08912, A08911,
A41579, AF060555, A65340, X79812, AL137478,
A76335, S76508, A57389, X70685, AL080110,
AL117416, A08910, AC004200, A08907, A08909,
AL133637, S36676, AL137530, AL137529, I32738,
U35846, A18777, A21103, A08908, X66871, A65341,
AL050116, AJ003118, AL050155, A58524, A58523,
AR068751, Y10655, AL049283, AL035587, AL049447,
AF013214, AL117463, AF031147, AF017790,
AL110158, AF004713, S82852, AF151109, U42766,
X53777, AF111112, A07588, AL080146, AL080159,
AL137271, Z82022, M85164, AF183393, AF184965,
AL137533, AF177401, AF061981, AF090901,
AL050092, AL137267, AF125575, AR050959,
AB016226, AL137557, AF065135, AL122104, I48979,
AL117649, AL137574, AL122100, E07108, U62807,
AR068466, AL137479, AL110218, AL137550, I89931,
S7771, E01614, E13364, I89944, AC006288,
I49625, AF026816, AF090934, AL050138, E12580,
E12579, I09499, U58996, AL049276, AL137300,
S83456, Y08864, X63162, E12806, U86379,
AF026124, AL137711, AF044323, AL080126,
AL133072, I18358, I34395, AF032666, AF057300,
AF057299, I89934, AL031346, X61970, S71381,
U75932, X97332, AF078844, AL137657, AL049324,
X82434, AL110196, AL049430, AL110296, AF111849,
U87620, Y14314, AL137722, AF116573, AJ005690,
X72889, I77092, AL137537, E12747, A92311,
AF082526, AF118094, U67958, I36502, AL137459,
U55017, X67688, AL117460, AF047716, A58545,
AF124728, AB026128, AL137476, A90832, AL133623,
I79595, AF002985, AF100781, AL050172, AL110197,

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| 1623 | HMVCR68 | 876836 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1244 of SEQ ID NO:1623, b is an integer of 15 to 1258, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1623, and where b is greater than or equal to a + 14.</p> | <p>AF106697, U68387, X01775, AF139373, AL137665, X06146, X96540, S61953, A86558, A41575, X00474, AL133080, AF076633, AF159615, AF080622, U37359, AL050146, U73682, AR068753, AL122093, AL133112, AL133665, L04859, I29004, X66417, AL133559, AB019565, A12558, AF113019, AF100931, Y16645, U70981, Y11254, AL122050</p> |
| 1624 | HFCAl79 | 876837 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2455 of SEQ ID NO:1624, b is an integer of 15 to 2469, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1624, and where b is greater than or equal to a + 14.</p> | <p>AI761567, AI149359, AI401619, AA740595, AA588565, AA424137, AI299200, AI143920, AA021117, AI913301, AW151208, AA425305, N47966, AI436446, AI685061, AF052498, AW081049, AW084051, AA451690, AW182326, AI332899, AA169542, AA169443, AA954593, AA042910, AA455865, AA149424, AI432492, AA460942, N47904, AA319689, AI377265, AA042923, AA461248, H20482, AI702363, AI371418, H85541, AW351484, AA151489, AI955508, AA385706, D79614, AA369939, AA834737, AW175964, H50494, AI291715, AI418716, AA861788, AW339974, AA369940, H87923, AA452637, AB033080, D42138, AF011794</p> |
| 1625 | HBIOH43 | 876842 | <p>Preferably excluded from the</p> | <p>AL048933, AI271440, AI092964, AI741387, AI760926, AI333315, AI680148, AA889492, AW190196, AW365955, AL048932, AI416991, AI923885, AI445890, AI138940, AI687147, AW365982, AI082757, AA280201, AI559407, AA553490, AW079043, AW001900, AW027109, N25109, AW365942, AI079486, AW451587, AI566301, AI623964, AI032887, AW365973, H22632, AI498456, AI270190, AW023890, AW137893, N40556, H47810, AI336798, H52365, AI933592, AA371581, H52364, AA904952, H22633, AA338820, AI537552, R16961, T82008, H96979, AI565231, AA377237, T81883, T71558, R16906, C01340, AI761493, AA280380, N46600, H48145, AW021702, AA887860, AA377236, T71263, H42623, T71208, AC004849</p> |

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| 1626 | HOEMJ36 | 876856 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1267 of SEQ ID NO:1625, b is an integer of 15 to 1281, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1625, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1341 of SEQ ID NO:1626, b is an integer of 15 to 1355, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1626, and where b is greater than or equal to a + 14.</p> | <p>W23148, AA369128, Z99916</p> | <p>AA910951, AA843679, AI348072, AI125272, AI042167, AA845606, AW129714, AI927609, AA868244, AI978910, AI525551, W06825, AA843914, AA779705, AW130928, W61040, W91932, AI831445, AW247636, AA186566, AI359205, AA523378, AI186133, AI160604, AI041480, AI198816, AI378985, AI207388, AA720662, AA181832, AA928300, AA890438, AI688759, AA393736, AA151916, W73728, AI184656, AI473972, AW272617, AA719242, AA890475, AA933747, AA534300, AA987916, AA622766, AI371055, AA878593, AI811357, AI829846, AI246201, AA987453, N21142, AA191541, AI345998, AI142485, AA307417, AA393794, AA102496, AA934733, AW082787, AW362863, W96444, AI343759, AW073775, N26594, AI624204, AI075412, W73785, AA706402, AI075444, AA312077, AW370975, AI304681, AA305477, AW370958, AI339961, AA988926, AI798191, H96572, AI631255, AA916632, N21361, AA393864, AI242708, AI186143, AI344381, AI002050, AA829718, AA666025, AI301839, N31157, T51961, W96541, AI186650, AA450264, N70868, AA189020, W35262, AI335966, AA868435, AI243742, AI718683, AI285022, AW380029, AI708661, W79062, W56704, AA450265, AI203443, AA313952, H05891, AA029676,</p> |
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AI924457, AI253584, AI750319, W74474, AW380015,
AA541387, AI915283, AA953221, AI095790,
AA687834, N63798, H72663, AA627355, N33299,
W56739, N44829, H10500, AA223727, AW002227,
AA961262, AW440854, N92556, C17191, AA223815,
AA156119, AW263927, AW007959, AA035712,
AI750318, H79841, H50961, AA703995, AA305808,
AA024948, R91859, R96677, W56383, AA332390,
AW440710, T28956, AA912076, N57269, N92539,
W94895, R91038, H13004, AA082120, R92698,
AA355945, AW337859, AA024991, AA321569,
AI932893, AA459672, AA459794, AA189019, T90302,
N78866, H78774, AA361890, N49784, AA305857,
AA361459, AA765973, AA361675, AA352730,
AA771826, H72664, N94156, AI613134, N50485,
AA628033, F02479, C17291, AA063528, R56364,
AA459660, W39039, AA642158, H62620, AA352976,
AA628038, AA729743, AA147291, T82974, AI749422,
H96696, AA352839, N87245, W23447, AA627654,
AA459783, R57554, AA729543, T52041, AA143387,
N39666, W24824, AA742384, W17271, H62547,
AA191268, N50430, AI468860, N54292, AW382069,
N70049, H79840, W39006, T25454, H62619, N28023,
AA353584, T63976, AI337484, AW059803, C20551,
R85599, D25569, AA353199, H78693, AA091252,
T63965, R91039, N49681, AL119863, AA024971,
T64044, AW366372, AI925164, AI591101, AL043152,
AL120254, AL042944, AI491904, M15796, X57799,
AL034410, AR009805, Y00047, X53068, X57800,
J05614, D17061, X67329, D28458, M29310, D17232,
AR034530, AF113690, AJ005690, AL133640, E05822,
AL110296, I48978, AL137530, A65336, I08319,
AF069506, A21101, AF090900, AL137558, AL133619,
AR034821, I89947, Y16645, A03736, AF028823,
I09499, AL050393, AF118090, AF031147, AF177401,
A86558, AF067728, A76335, I32738, AL122110,

AF159615, X59414, AL117435, S36676, AJ000937,
AL137523, AF117657, AL133568, U78525, A12297,
AL080146, AF176651, AF183393, AL137294, U35846,
I48979, A07588, E04233, A77033, A77035,
AL137254, AL117457, X80340, AL133016, AF146568,
AL050138, A18788, AF114170, A57389, AL096744,
AR038854, A08907, AF175903, AL122104, S82852,
AL080158, AL137529, AL137292, AL137267,
AF026816, U76419, AL137560, AL049347, I30339,
I30334, AL023657, S77771, AL133665, E01614,
E13364, AF182215, U49908, A18777, AL096751,
AF065135, AL133080, A76337, X84990, AB007812,
AF106657, AR068753, X72889, AF017437, AF118094,
AL137478, AL117587, AF162782, A08913, AL117460,
M96857, AL137533, A65340, D44497, Z97214,
X72387, L04504, AF067420, AF104032, AF113019,
X99257, AL080110, Z82022, AB025103, X59812,
AF106697, AF026124, A08912, AL133113, AJ012755,
AL137537, A15345, Y10655, AR013797, AF126247,
AF145233, X66871, AL049283, AL050190, AL080159,
AF087943, AL122106, AF200464, AJ003118,
AL050108, AF039138, AF039137, AL096720, A08910,
AL110218, I29004, A08909, AL110196, AL133557,
AF090886, U73682, D16301, AL137480, S76508,
AR011880, AL050208, X81464, AF113694, X87582,
I33392, AF115392, AF192557, AF153205, AL137479,
A70386, A08908, AL050024, X63162, AL137459,
X55446, AF017152, X65873, AL133560, AF111112,
AL122050, I26207, AL117416, AF151109, Z37987,
AL110225, U72621, AL110280, A08911, I89931,
AL137555, AL049382, AL050172, AL137554,
AL117649, AF090903, Y14314, AF044323, AL110224,
AL050092, AJ006417, AF102578, X53587, D83032,
X66417, I89934, AB030279, I49625, AL049324,
AL133070, AL137271, AL080234, AL080156,
AF061981, AF090896, AL050155, AL137550, A23630,

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| 1627 | HWWPZ02 | 876858 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1174 of SEQ ID NO:1627, b is an integer of 15 to 1188, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1627, and where b is greater than or equal to a + 14.</p> | <p>S78214, D55641, M19658, Y10080, AL133637, AL049339, AF097996, AF038847, AF141289, AF118092, X52128, AL110221, AL050149, S83440, AL137660, Y07905, AB029065, U88966, S75997, AB016226, AF100931, AF113677, AL117463, AF001215, AL049314, Z72491</p> <p>AW043824, AI094162, AI150332, AW152394, AI363370, AI340929, AW341579, AA904074, AI015843, AI039705, AI192155, AI338344, AI038188, AI144479, AA922221, AA804396, AA768639, H29728, AA256891, AA708611, H29729, AA902548, AA641864, AA256375, AA310759, AL038838, AL038983, AA641863, AL037727, AL038532, AI142134, AW316536, AA654177, AL038822, AL043814, AL043923, AL043845, AL040617, AL044186, AL041238, AL047012, AL041577, AL041459, AL044064, AL040294, AL041635, AL044037, AL047170, AL040463, AL040768, AL046850, AL045753, AL041752, AL045684, AL040625, AL047219, AL040052, AL043570, AL043848, AL041374, AL043627, AL041523, AL041730, AL044074, AL041602, AL043492, AL040839, AL043677, AL040472, AL043467, AL040510, AL042135, AL043538, AL047183, AL040464, AL045671, AL046442, AL040621, AL046994, AL040444, AL041133, AL039316, AL041324, AL046392, AL046914, AL040322, AL044258, AL044272, AL040119, AL041098, AL041096, AL045817, AL040148, AL045920, AL049018, AL047057, AL044199, AL044187, AL040458, AL041163, AL040576, AL041955, AL045990, AL041292, AL041358, AL040332, AL041142, AL041346, AL040529, AL041159, AL044274, AL037436, AL041168, AL040745, AL046330, AL041197, AL040128, AL040571, AL042096, AL047036, AL040342,</p> |
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| | AL040553, AL041186, AL039360, AL040285, AL044165, AL040091, AL040090, AL040414, AL041131, AL039744, AL044162, AL046327, AL037435, AL040149, AL040155, AL041051, AL040168, AL044201, AL037335, AL043775, AL043496, AL040253, AL040082, AL037443, AL039432, AL041227, AL045857, AL040329, AL079878, AL041296, AL037343, AA471208, AL041086, AL040193, AL037323, AW129525, AL040075, AL040263, AL040370, AL040255, AL038761, AL041233, AL041140, AL045725, AL039915, AL043612, AL041246, AL037295, AL041277, AL039338, AL041278, AL045989, AL049069, AL039643, AL079852, AL040238, AL043537, AL041210, AL046147, AL041347, AL043941, AL037341, AI028338, AL080031, AL134524, AL044125, AL037279, AL047037, AL043444, AA257137, AA629169, AL046097, AA257022, D79670, AL044529, AL045328, AA094619, AL046360, AL045994, AL042898, AL046150, T23985, AL043440, AA585439, AL045211, Z30131, T19415, N87157, Z28355, T23957, AL042712, AL038745, AA585101, T11028, AI547039, T23888, AA585453, AI541374, AI525431, AI525556, AI540967, AI546855, AI541365, AI525306, AI541523, AI541514, AI541509, D61254, AI546999, AI535639, AI557731, R29445, AI526194, AI556967, AI541508, R28735, AI546945, T41289, AI546828, AL040385, AL047163, AL079953, R29177, AI557787, AL134110, AI526073, AA585476, AA174170, AF161482, AC006530, AR062871, A20702, A43189, A43188, A20700, A98420, A98423, A98432, A98436, A98417, A98427, A84772, A84776, A84773, A84775, A84774, AR067731, AR037157, AR054109, AR067732, A58522, A91750, A86792, AJ244004, A98767, A93963, A93964, A85395, A85476, AR062872, AR062873, |
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A25909, A81878, AF082186, A64973, A58524,
A58523, AJ244003, E14304, I44516, E16678,
I25027, I26929, I44515, I26928, I26930, I26927,
X83865, D78345, AJ244007, Y16359, AR038762,
E03627, M28262, A60212, A60209, A60210, A60211,
E13740, I48927, I63120, AR017907, A18050,
A23334, A75888, I70384, A60111, A23633,
AR007512, I15717, I15718, A02712, A77094,
A77095, A95051, A18053, AJ244005, I08396,
I84553, I84554, I00682, A11623, A11624, E00609,
A11178, E01007, I13349, A10361, I06859, A35536,
A35537, A91965, A02135, A02136, A04663, A04664,
I08395, AR043601, A93016, A11245, A92133,
I03331, A02710, E12615, AR035193, A07700,
A13392, A13393, AR031488, I13521, I52048,
A27396, AR027100, I49890, I44531, I28266,
I21869, A82653, E16636, I44681, A90655, A70040,
A24783, A24782, A95117, I62368, AR038855,
AR031566, AF149828, I01995, I08051, I18895,
I60241, I60242, A20699, E00696, E00697, E03813,
I66482, AR009151, I66485, I66483, I66484,
I66498, I66497, I66496, AR038066, AR027099,
I66487, I66486, AR064707, U94592, AR051652,
AR051651, AJ230935, AR008429, I05558, AJ230902,
AJ230972, A68112, A68104, AJ230951, E12584,
A22738, X07299, AJ231009, I08389, Z32836,
D13316, AR035975, AR035977, D50010, AR009152,
I15353, AB025273, AR051957, I18302, Y09813,
AJ238010, X81969, I19525, AR066494, M20328,
X13697, J04205, X69804, X97869, AR035974,
AR035976, AR035978, A70872, D13509, E17098,
X14684, AJ231028, I66495, I66494, A22734,
AR022273, X91336, AJ230867, AJ230845, A70869,
I36244, A29109, A32111, AR051864, D17247,
A93923, AR051865, A06631, S60422, A83642,
A83643, AJ231011, I66488, I66489, I66490,

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| 1628 | HLTAZ90 | 876865 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1375 of SEQ ID NO:1628, b is an integer of 15 to 1389, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1628, and where b is greater than or equal to a + 14.</p> | <p>I66491, I66492, I66493, I66481, A83151, A93916, AR063812, AR028564, A24548, A24546, Y14219, A93931, I05845, X91337, AC005541, AA971815, AI032717</p> <p>AA873435, AA600839, AI768313, AI146480, AW058474, AA773760, AA902399, AI815095, W07335, AI936013, AI887319, AW247888, AI290267, AI949176, AI140850, AI383970, AA478888, AI335758, AA455467, AI131375, AA446062, AI375904, AW273478, AI569525, W92189, AI080606, AA446800, AI922678, W48604, AI669705, AI088017, AI079611, AI357729, W94886, AA778027, AI420677, AA662489, AA199802, AA199694, N99008, AA455466, W48605, AA737911, N22398, AI097343, R69048, AW079086, W81498, AA478769, AA602304, AA770587, AA568808, AI983493, AA903872, AI718164, AA577394, AA658448, AA579036, AA814776, AI687665, AI275990, AI127693, AI040179, H06586, AI188614, AI383744, AI160662, T16066, AW162694, AI209061, AI948507, AA432116, AA429907, AI571660, AA577605, AI926880, AI949479, AI991410, AW002319, W79730, AI675994, AI659734, N75810, AA999862, AA417649, AA582611, AI400342, AA749354, AA923020, AI537750, AI579976, AA953148, AI915035, N69819, AA256988, AA419605, AA133662, AI433790, AA193288, AA773001, W21280, AI470356, AI207126, AA470409, AA806422, T94567, AA074998, AI432068, AA725585, AA757124, N75636, T07950, AW265105, T07544, AI611358, AI954778, R50657, H06531, T27805, AI220764, W81497, H00562, AI120252, N80002, AA682966, AI440285, H12517, AA492209, AI784270, AA361222, AI915044, AI524835, T59434, AA035575, AA364008, D12231, AI702267, AA482915, AI420160, AA482927, AA501348, T94257, AA641987, AA369109, AA482933, AI932950, R29196, D12095, AA343259, AA588441,</p> |
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| 1629 | HHFUM32 | 876866 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 607 of SEQ ID NO:1629, b is an integer of 15 to 621, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1629, and where b is greater than or equal to a + 14.</p> | <p>T09050, AI239988, AI572155, T33940, AI917677, AA035065, AI915005, D57719, AA490946, AA635076, AA491134, AA659260, R15055, T59489, M78942, AW361295, AA534940, AW262956, AA629172, AA902888, AA736627, T09051, AA491132, AI557731, AC004081, AC007666, AC000052, AC004019, AF055664, L08069, D13388, U53922, AA446079, AA429922</p> <p>AA525015, AI097213, AI186110, AI205864, AI460279, AA454512, AW003859, AI143331, AI305240, AI337532, AI279156, AI333362, AA770652, AA483013, AA846308, AI024319, AI380066, AI184498, AI204185, AI332737, AI025452, AA701068, AW298191, AA314391, AA780879, AI204046, AA722950, AA903838, AI368078, AI073640, AA010086, AA911716, AA948332, AI188877, N45102, AI094300, W52409, AI311092, AA622052, AI302571, AI369905, AI660241, AI138619, H48026, H41034, AI749308, N76689, AI354731, N31297, AI141562, AI347212, AI191310, AI092132, AA875920, AI346333, AI344362, AI186141, AI184174, N50933, AA854247, W32499, H93326, AA740175, AA765339, AA886065, AI718470, N54609, F32533, AA229525, AA604454, AA995306, R97891, AA854498, AA688403, H48027, AI312692, N46264, AI027037, AI192124, W77745, AA629102, AA975984, W05153, N45023, R68274, H57270, AI355659, AI192244, AA722963, N22908, AA046489, AA362565, W99330, AA075564, H18704, H18336, AA483751, AA024768, AI904485, R94597, AA887933, H41035, H23703, N84980, N69892, AA311757, H18805, F36632, R26083, AA046701, AI702033, H18369, AA327843, AA299086, F33066, R68309, W52410, AA877022, AA643367, AA079015, AA339134, AA641985, H26911, H57271, W99372, R96486, AA339947, W02163, AI220631, W05365,</p> |
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| 1630 | HHFAB62 | 876870 | | | <p>AA772749, H93830, F26046, H58286, R94598, H28518, H23704, AA083351, AA075559, AA296237, N46263, AA352775, AA024767, F33965, AI557901, F24493, AA216428, F28514, AI750084, W72101, N98865, AI342158, R47744, AW2655596, AA083549, R50391, AA083447, AA659764, AA302180, W31292, AA041272, C00512, AA709422, F18524, AL080089, D13118, X69907, X69904, X05218, D13123, L19737, M16453, T80797, T81201, H27411, R97890, N41011, N52542, N78879, N93425, N95193, W24594, AA079016, AA887623, AA216270</p> <p>AA346386, AW300186, AW364750, AW364745, AW374001, AW364749, AW373998, AL046035, AW373994, AW364756, AW373996, AW373989, D79991</p> |
| 1631 | HWLWJ70 | 876873 | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1630, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1630, and where b is greater than or equal to a + 14.</p> | <p>AA527360, AW051577, AA757918, AI590246, AA482382, AA417897, AA834979, T33217, AI933007, AA886393, AI242582, AA912932, AA552566, AA026889, H12586, AA770351, AI122821, Z45211, AA810545, AA089741, AA026890, AW235276, AA442516, AI081311</p> |
| 1632 | HCRPV85 | 876876 | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 665 of SEQ ID NO:1631, b is an integer of 15 to 679, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1631, and where b is greater than or equal to a + 14.</p> | <p>AI138310, AA579608, AL080041, AA150112,</p> |

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| <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4587 of SEQ ID NO:1632, b is an integer of 15 to 4601, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1632, and where b is greater than or equal to a + 14.</p> | <p>AI914754, AA310336, AW139942, AI669978, AA150453, N21199, AW337765, W60839, AA007492, AI245978, AW340469, H39087, AI857928, AW402945, AI857929, AA884547, AW044377, AA708593, H06461, AI554400, AA806848, AA292984, AA281307, D53188, AI074110, AI359733, H37969, AA911725, AA194095, AA757126, AA815284, AW166409, AI362093, AA258691, AW386068, AA614128, AI937918, AI218676, AA429422, AI361580, AA156587, AA931474, N27470, AA313613, N31349, AA936569, AA007448, W69685, D52529, AA171394, AW367949, AA150166, W47135, AA428365, D53165, AI253039, AA937690, AI752560, AA312520, AI039854, AI282901, AA884648, AI094728, AI201298, AI273365, AI346383, AI421258, AI310120, AI361451, AI285056, AA040411, AA789206, N88385, AI418521, AI973164, AA227133, N99005, AL038896, AW362878, AW403348, W24127, AL119637, AI016520, AA541481, AA309620, AA150397, AA306805, AI400189, AA284235, H51237, AA331743, AW023315, R67309, AA373361, AA156654, AA730527, D57421, AL045286, N92003, W69686, AA332449, AI368439, AA281258, AA040303, H63313, AA359717, AW362873, R74438, AA770542, H06565, AA363548, AI339537, AI023267, AA884006, D58110, AA922473, W60840, D58261, AI346133, AA722328, AW207758, AI753879, H06510, AA853720, AA332495, AA999738, AA331529, AW151651, D52528, AW391062, AA330258, Z45721, AA626164, AW390953, AA484242, AA382542, AW090257, D79754, AA227234, AA355615, D56466, AA313395, AA382088, AA169821, AI873035, R74343, AA354337, D53067, D53164, AW386086, AI749497, AW021983, H68127, AI149688, AA365933, H11545, R26679, R36441, AA705035, AI799252, AW403752, T30044, T85823, AA359673, R57470, R25867, Z42383, D53068, N71806, D53095, C03662,</p> |
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| 1633 | HCE3V58 | 876878 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 362 of SEQ ID NO:1633, b is an integer of 15 to 376, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1633, and where b is greater than or equal to a + 14.</p> | AA263144, AA111835, D81554, T83223, AA910604, AI056722, N21394, AA354104, AW270594, AI571557, N63858, AA503313, F23396, AI973191, AI590666, AA290658, R60888, AA382087, AA677495, AA290659, AL037148, X74262, X71810, U35141, AF097750, AE000658, U85195, AC005277, AA045875, AA398311, AA703653, AA853719 AW301835, AI308020, AI860966, AA134268, AA878213, AA694197, AA088689, AA133904, AI285166, AA133903, AA302740, F26419, AA582580, F35821, H90906 |
| 1634 | HKGBE11 | 876882 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3629 of SEQ ID NO:1634, b is an integer of 15 to 3643, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1634, and where b is greater than or equal to a + 14.</p> | AI524051, AW007724, AI609303, AI560001, AI401617, AI936772, AI735659, AI249001, AW021551, AI247535, AA889466, AI770052, AA856594, AI923848, AI393945, AI963008, AW007900, AI802150, AW246695, AI589917, AI186661, AI680189, AW058621, AW081918, AW248728, AI160059, AA128006, AA812522, AI191795, AI128436, AI274108, AA909840, AA405642, H99041, AI015928, AA931655, AI262534, AW026999, AI423370, AA453200, AA131241, AA579953, AA702093, AI026873, AI161187, AA455704, AA455317, AI373875, AI359209, AW020484, AI204219, AI475739, AI125919, AI306480, AI123115, AI075685, AI183377, AI093279, AW137484, AA915929, AA745983, AW168028, AI191687, AI659743, AI346563, AI923367, AI472034, AI370998, AW169284, |

AI690264, AI356799, AI298090, AA847328,
AI143203, AI573004, AA526151, AA701656,
AL036355, AA398429, AA781758, AI248617,
AA972778, AI120931, AA813433, AW364708,
AI625940, AA975860, AI051123, H18709, AI624093,
AW005429, N68529, AI299217, AI149399, AA988712,
AI355692, AA886616, N90938, AW373562, AA687849,
AI583218, AI566456, AI167133, H27061, AI355703,
AA757226, AA781558, AI086933, AI097546,
AI811692, AI375753, N91144, AI342620, AA126641,
AI421652, AW131426, W32307, N33217, AA888625,
W04345, AI348671, W17386, AA804381, AA305682,
AW016631, AA291227, W68759, AI004166, AA427526,
AA454983, AA479068, AI298478, AA732854,
AI080704, W68454, AI084772, AW084472, AA479223,
N27564, AI184963, AA505251, AI022978, D53877,
AA126497, D52932, AA828985, AW193312, AI073734,
AI245609, AA454161, AI589126, AI690281, N92279,
AA745905, AW057830, AA467899, AA938231,
AI187073, AA130568, AA610387, AA128029,
AA761970, AI890992, AA847408, N47754, N41931,
AI750050, AA456530, AA971614, AF139790,
AI435647, AA837736, AI017762, AA828994,
AA618297, AA614659, AA788753, AA601557,
AI682609, AA454984, AW168929, AA678000,
AA708844, AA151101, AW152083, AA143003, W42712,
N66889, AI298694, W17235, AI348194, H97544,
AA036731, AI902984, H18598, N89744, AI435894,
R69930, AA535636, D62527, AA514269, AI720059,
AI433476, AI248821, AI245176, AA403052,
AI263846, AA150090, W17187, W16652, AA962557,
AA031722, AA089961, AI287545, T75133, R75976,
AA968981, AI245198, AI814870, AA894619, D54851,
AA447055, AA701210, AA578436, AA150159,
AA467843, D53769, N22090, D52639, T28569,
AA889910, D56802, AI890986, C01613, H88627,

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| 1635 | HRAEG13 | 876886 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4037 of SEQ ID NO:1635, b is an integer of 15 to 4051, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1635, and where b is greater than or equal to a + 14.</p> | <p>AI267864, H46858, AI075972, AI242237, AI185100, AI272966, H39601, H88628, AA968979, W19238, AI784586, R07700, H03189, AA211540, AA131165, AC004520, M29065, M29064, AF073993, AF192348, D28877, U09123, L02954, L02955, U09122, AJ009300, U09121, A74625, A74773, AF169290, AF211856, R10578, R10579, R12625, R20526, R22887, R23576, R25216, R27302, R32649, R33333, R33334, R52479, R20526, R66241, R69882, R76807, H03988, H04178, N34507, N40385, N74179, N74343, N75875, N93493, W00725, W02101, W04813, W04852, W05055, W17019, W20426, W24457, W25432, W42905, W81443, N90151, AA036938, AA167390, AA483158, AA632646, AA765452, AA808476, AA888709, AA935276, C02214, C04584, R29188, AA089571, AA092059, AA211492, AA216333, Z20376, AA703571, AA844237, AA889282, AI032462, AI051314, AI084281, D20533, T24609, F01310, F12801, F11075</p> <p>AL079429, AL079428, AI962210, AW409971, AW409972, AW362305, AW410672, AI924517, AA406225, AW025356, AA405914, AI951876, AW410671, AI523918, AI890911, AI923197, AW206660, AI569743, N94878, N99556, AW301065, AA405354, AI936512, AW206646, AI872449, AW193338, N63552, AI207878, H29821, AA405693, AI184142, AI287700, AI039152, AA764984, AI347352, AW387060, AW386988, AW387093, AI081389, AA350220, AI148131, AA783037, AI243796, AI277386, AW387033, H69679, AA985309, AI635584, AI372628, AI372627, AA405353, AW408699, AA777168, AA350036, R56710, AW207334, N40073, AA781626, F11487, AA654125, R94204, R56864, R55500, T66335, H92624, AA350276, R81346, AL121276, AA350037, F09706, AI298408, AI873379, R51360, T87412, M78454, AI287710, F12065, H50110, AA351242, N22306, F09146,</p> |
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| 1636 | HLIBZ07 | 876888 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1228 of SEQ ID NO:1636, b is an integer of 15 to 1242, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1636, and where b is greater than or equal to a + 14.</p> | AA234354, N26102, N55429, AL120770, AW387043, AA405389, H50154, H43762, AW387110, H72992, AA227365, R79738, R79737, H44600, H70095, R50621, AI184049, R45951, H29909, T66284, AA744978, N71548, H72991, AA368705, AA936885, AI739624, R55499, AW007986, T83200, AI863755, R50454, R50527, T36310, R50455, T85587, T77076, AA936368, H43432, AA464051, T87308, T07160, T78532, AA321966, AW268156, T85586, H43431, F26601, N40316, AI832126, AI372626, AW376436, N54476, R81601, R51465, R94300, AW367002, AA324819, N76802, AW073570, AI654772, AI473579, AA555237, AW102939, T77381, AA548001, AI985527, N76587, F35806, H92406, AW366992, AA302603, AW367067, AI937249, AW389336, AA862606, AB032950, AF128625, AF021936 AA946784, AW375919, AA527581, AA904758, AA209387, AA563949, AI833239, AA740268, AA527668, AW372169, AA948567, AA894539, AI745625, AA468774, AA725505, AW376020, AA164354, AA946619, AI348033, AA594622, AA453342, AW160477, AA937588, AA862503, AW375573, AI189061, AA988737, AW162844, AA588618, AW363501, AW375476, AA677897, AI310309, AI123763, H59915, AW161438, AW160982, AW160317, AI907434, AA780152, AW363508, AA526226, AW295010, AW176047, AI472327, T65562, AI005477, AA349978, AA928712, T08552, AA610643, AA307984, AA385290, AI905918, AA211030, AA349672, T65630, F12026, AA434132, AW365033, AA338674, AA453217, AA384272, AA339261, AA367135, T03912, R78158, AA367413, AA357314, H27129, R91610, AI766762, D51350, AA308647, D55070, AI214104, AW176070, R96738, AA343589, T03852, AA384370, AW264753, AW376759, AW376799, AA340742, AW363574, AW372990, AL048628, |
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| 1637 | HDPFB46 | 876890 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2110 of SEQ ID NO:1637, b is an integer of 15 to 2124, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1637, and where b is greater than or equal to a + 14.</p> | <p>AW376653, AA362098, D54438, AI905702, AA300134, AA747175, F09672, AA384504, AA233381, AI870184, T79091, AA367166, T84398, AA451673, H25082, R45919, S75311, AR037563, L33930, D87667, X69397, Y14692</p> <p>AI718712, AW444886, AI983059, AL135147, AI085966, W07327, AI492267, AI360984, AA564235, AA573268, AA406085, AI678761, AA577144, AI091819, AA297803, AI289839, AA037033, AA804950, AA533437, AI242554, AI223449, AA410390, AA644395, AI216720, AW005660, R77919, AA878891, AI468125, N51728, R32385, N25411, AA256925, AI811527, AI142611, AA954723, AA256501, AA317506, W52143, AA421853, AI623878, AA932178, R78020, AI089059, R32384, AI242914, T81104, F34121, AI468126, F25882, N75820, AI335792, F35752, F18999, AI984724, AW305237, AI345730, AW268284, AW166690, AI349242, AW086410, AW272065, AI310836, AI345115, AI223675, AI308339, AI312490, AI252159, AI345249, AI307405, AI580578, AI252423, AI252373, AI349681, AI252335, AI250483, AI252345, AI583501, AI583500, AW302935, AI583889, AW303168, AI348995, AI349742, AI309420, AW269095, AI336494, AI335439, AI349287, AI306795, AW274358, AI349945, AI252286, A58884, L40823, U06846, AR051950, L40817, L44140, X87196, X74606, X90393</p> <p>AI129800, AW027959, AI927949, H92980, AI650270, AI708393, AI138076, AA524072, AI831594, AA749139, AI926721, AI399955, AI302816, AA262795, AI862160, AI093249, AA828301, AI625105, AA904444, AA772552, AI816834, AI084565, AA314418, N30447, AI242763, AI810709, AI653617, AI129801, AA443839, AI289975, AA281653, N25206, AI758575, AA026905, AA737455,</p> |
| 1638 | HDPSS23 | 876892 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1421 of SEQ ID NO:1638, b is an integer of 15 to 1435, where both a and b</p> | |

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| | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1638, and where b is greater than or equal to a + 14. | AI474418, AI619613, AA039864, AW000990, AA039860, AA291708, H86861, AI032004, AA452814, AW084297, R97735, AI640264, AA336497, AW080103, AA026904, AI052445, H73499, N54837, R92739, H73311, AA040230, AI311105, C21440, AA338774, H94209, N69415, N91446, R76435, AW029069, R96804, AA281785, AA680378, T18545, AA338773, T10789, AA610255, AA568204, AA570740, AA483606, T47138, AW151018, AI355246, AI445373, AI915081, AA219349, AA664126, AA582746, AW275432, AA558404, AA837771, AA214453, AA857812, T94394, AA482792, AI249688, AI567391, AA630854, AA683069, R67701, AA515939, AA425924, R77139, AW069227, AA714073, AA297006, AI285493, AI298079, R79929, F35097, AI634377, AI791659, AW104163, AI671077, AL048060, AA809186, AA831408, F35684, AW084967, AA523695, AI962030, AA846923, AA533040, F24745, AI889579, AA102737, AI185394, AA491767, N51636, AI538236, AA558366, AI880761, AI735092, AA376358, AW272815, F23338, F31066, F37059, AA612578, AA668587, R79255, AA196552, R93919, AW075729, AI433131, T71936, AW419389, AA632556, AI634187, AA302978, AI457313, AI620992, AI358542, AA769141, AA342238, AA583386, AI312090, AI049630, U91323, AC004686, AL080245, AL035587, AC002073, Z81357, AC007993, AP000113, AP000045, AL049748, AC010582, AC005778, AC004797, AL021939, AC005702, Z82901, AC007774, AP000030, AL008718, AP000250, AC004232, AC004079, AC006344, AC005759, AC002365, AC007193, Y07848, AC004598, AL096701, AC002565, AC005799, Z73900, AC007390, AL031721, Z93016, AL118497, AC006501, AC007566, AC005740, AF067844, AC005011, AC006077, AC000064, AP000133, AP000211, AC004859, AC006333, AC007179, AC000025, AL049776, |
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| | AC005527, AC003688, AP000346, AC005412, AL050318, AC005225, Z84488, AL020995, AL031186, AC002381, AC005057, AC005231, AF045555, AP000300, D88270, AC004485, AC005207, U91326, AC007917, AC000003, AC002544, AC004816, U03115, AC004253, AL035249, AL078593, AL049869, I34294, AC006530, AC005668, AF128525, AC005695, AC005529, AL034417, AC005291, AL031005, AC005184, AC005072, AL023879, AP000689, AC005519, AC004551, Z83838, AL031295, AC003029, AL035458, AC003690, AC003957, AF030876, AC004655, AC007425, AC004964, AL022721, AL096791, AP000547, AL022318, AP000255, Z82976, AL049576, AF196972, AC005924, Z99716, AC002395, AC004383, AC004881, AC002288, AC004522, AC004828, AF031078, AP001039, AL031311, AC005015, AL023807, AL049553, U62293, AP000502, AC005081, AC007055, AC007537, AC007738, AC002350, AC002504, AL135879, AL121790, AF207550, AC004386, AC000353, AL031230, AC005071, AC002115, AC005756, AC002072, AL023575, U66060, AP000213, AP000345, AC007227, AC007075, AL031587, AF184110, AC005409, AL133448, AL080243, U91319, AC006960, AL034420, AP000135, AL121652, AC005480, AC006571, AC006312, AC000035, AC007565, AC005726, AC004745, AC004865, AC002551, AC005180, AL031685, AL021920, AL024498, AC004129, AC007563, AP000031, Y10196, AC005609, AC002418, AC007637, U51244, AC004815, AF001548, AC005696, AL135744, Z83847, Z68324, AC004878, AL049729, AL034400, AC005632, AC008012, AC004491, AC008372, AL031297, AC004777, AL031293, AC002984, AL133163, Z97183, AC003692, AC007057, AL024474, AC006961, AL135959, AL035455, AC000111, AC004896, AC008975, Z97056, L44140, |
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| 1639 | HCEIC29 | 876901 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1617 of SEQ ID NO:1639, b is an integer of 15 to 1631, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1639, and where b is greater than or equal to a + 14.</p> | AL078644, Z94802, AF064861, AC006121, Z98051, AL049610, AF102137, AL008582, AP000555, AC009247, AL049843, AC007899, AC004974, AC007172, AC006120, AC008149, AC004780, AP000355, AL049643, U78027, AC006276, AL035450, AC005089, Z93784, AC005399, AC006430, AC007114, AC002550, AC004587, AL022316, AA261881, AA099268, AI676066, AA872993, AI916603, AI686512, AI862396, AW134699, AI768494, AI656235, AI760422, AW340874, AI760767, AA456537, AI950211, AI365227, AA455250, AW019939, AI560709, AI521183, AW269381, AI343443, AW242591, AI862402, AW182833, AA906566, AI825167, AA910881, AI355516, T62487, T62632, H22865, AI470602, H24258, AI910667, T10397, AA319888, AA084251, AA465631, AA084250, T48979, R22512, R22511, R62215, R70206, R74308, H02508, R85869, R92578, R94703, R94783, R99284, H53551, H53550, H57860, H66191, H66190, H68304, H68303, H68633, H68632, H73905, H74097, N29973, N58152, N59546, N78287, N93155, W03816, W39117, W39754, W45221, W72425, W76578, N90187, AA010750, AA011178, AA035374, AA035090, AA044020, AA044195, AA099403, AA099464, AA131818, AA132001, AA181697, AA255734, AA279493, AA459458, AA465677, AA513468, AA610670, AA661647, AA807978, AA931089, AA932324, AA938458, AA947789, AA216163, AA477227, AA477226, AA709315, AA716569, AA774617, AI024245, AI024575, D25921, T16050, Z42876, F02340, AA699770, AI264621, AI268001, AI270489, AI432949, AI419091, AI475199, AI129103, AI139707, AI200420, AI205134, AA629925, AI557066, H72652 |
| 1640 | HE9OY91 | 876903 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a</p> | |

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| 1641 | HFKFN66 | 876904 | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 839 of SEQ ID NO:1640, b is an integer of 15 to 853, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1640, and where b is greater than or equal to a + 14. | AL031433 | |
| 1642 | HWMFQ16 | 876905 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1902 of SEQ ID NO:1642, b is an integer of 15 to 1916, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1642, and where b is greater than or equal to a + 14. | AA775776, AI041206, AI884423, AA608631, AA307942, AA602534, AA477709, AA604331, AA610041, AA237053, AI874354, AI922651, AA455372, AA478920, AI861817, AI174744, AA639758, AI803985, AA307739, AI217011, AA242978, AI420956, AI082010, AA290814, N35525, AA397578, W04164, AI740453, H18746, AA457124, AI369854, AW402584, AA250883, AI362747, AW401485, N63084, AI826090, AA969826, AA418085, AI301135, N42604, N32932, AA464471, N44904, AI206819, AA206545, AI264316, AA205363, AA627399, AA908393, AA206909, AA399551, AA386030, AA205036, W07733, AA151195, AA292402, AA723847, AA151196, R68884, AI217962, N62289, R60986, AA019523, AI307617, AA535112, H18659, | |

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| 1643 | HCRBB01 | 876909 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1330 of SEQ ID NO:1643, b is an integer of 15 to 1344, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1643, and where b is greater than or equal to a + 14.</p> | AA782617, AW401677, AI9233522, AA148955, AA136448, R61653, AA369942, H45205, AI311834, AW383689, N70126, H78459, AW169009, N77580, AI695617, AW383687, AA383122, T96825, AW383681, AA477710, AW188902, AA148954, AW383686, T36291, AI826948, AI755216, AA628518, AI249697, AA236854, AI064883, AA977383, T35725, AA761981, AA478800, AA588591, AW275155, AA206781, AA610557, AA765404, AA299218, AI274603, AA484614, AA252156, AA394239, N89897, AA418016, AI289322, N35239, T96813, T98004, Z39105, AI347692, AA401922, R68786, AI421701, AA300711, AI984054, AI307367, AI869880, AW003896, AI357580, AI097540, H78257, AA773528, AI933853, N26474, W19451, T96826, AA937255, AA494127, AA456012, AA622190, AA531018, AW264334, AA296375, AW340846, R39778, AW368305, T98082, AW406763, AW389979, T32639, AW389990, AA773673, AA304962, AA233500, AW383537, R58298, C15957, N78713, AA019294, D78788, AW389995, AA402093, D31588, AW366573, AA095078, N87188, N86592, N88113, N88337, N85682, AF078859, AF078868, AL021878, AF090946, U21721, AJ243486 AI345975, AI041822, AI354345, AA845341, AI471536, AA582006, AI264230, AI133028, AI922898, AI826795, AW272874, AI889042, AI749224, AA307941, AW275172, AI926872, AA482539, AI680141, AI734884, AA524591, AW274596, AI336326, AW169351, AI885643, AW269482, AI749219, AI026046, AI143001, AI689406, AI591185, AW361012, AA602933, AI922602, W60954, AI735165, AW377897, AI566471, AI275792, AI814420, AA948377, AI683757, AA862488, AI139188, AI288260, AI277724, AI653978, AI890155, AI934802, AI911644, AI890535, AA228045, AW148951, AI889786, |
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| | AI804207, AI274877, AI654469, AA987320, AW243847, AA555069, AA860461, AI689372, AA741520, AI937827, AI003581, AI831369, AI281145, AI871203, AI281294, AA855149, AI168130, AW377974, AI084421, AI092091, AI833225, AA505597, AI336527, AA554687, AI167764, AW088401, AW104699, AI150063, AL047161, AI798382, AW083700, AI038771, AW020827, AA928652, AI031884, AA826396, AA492267, AI625287, AI022580, AW270586, AI183695, AI026083, AA508597, AI080205, AI262884, AI073697, AI354660, AA226127, W78208, AA640721, AW149240, AA228005, AA759055, AA992173, AW150128, AA908342, AA554425, AI276333, W74125, AA034485, AA635275, AA639307, AA412053, AA742571, AA303334, AW166455, AA903876, AA173331, AA640905, AI963101, AA602023, AA378134, AW079690, AI934122, AA527819, AW368030, AW081647, AA531295, AA922080, AI050907, AI873602, AA173437, AI273804, AI589932, AI918522, AA916057, AA826837, AA235239, AW089108, AI922253, AI873976, AI885463, AA216394, AA508227, AA890672, AI572298, AA382418, AA341151, AW105574, AI281853, AI886217, AI535908, AA337736, AA837555, AI933527, AA299593, AA301629, AA654205, AI633050, AI553701, AA218783, AA426414, AA366375, AA173738, AI572371, T83429, AA215892, AA385436, W20026, AI684322, AW367106, AW377982, AA146684, T05849, AA828869, N90536, W32260, N93484, AA173705, AI092389, AA650299, D56517, T27681, AA552197, AA225725, AA235238, AI952204, AI720878, AW176624, AW367125, AA146683, AI161032, AA226022, H88875, H88876, AA523823, AA302252, AA301829, W21502, W70311, AA311804, AA729966, |
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| 1644 | HSAAN15 | 876912 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1095 of SEQ ID NO:1644, b is an integer of 15 to 1109, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1644, and where b is greater than or equal to a + 14.</p> | <p>AI273789, AA096200, AW377515, AA729962, D20952, AI811103, T84076, X60111, AR016441, I13744, M38690, D10726, AC006057, L35275, M81720, L08115, D30786, AR016440, E05732, X76489, L08125, L08118, U15792, S60490, L08119, L08120, L08122, L08123, L08124, L08121, S60489, S60462, AW295760, AA643028, AI858075, W22593, AI682269, AI819607, AA910344, AA573333, AW406408, AI741854, AI088151, AA481497, AW021995, AA687410, AA826812, H63145, H08408, W07228, AA765739, AA521057, R53520, AA362594, AI584029, AA689386, AA732248, AA970100, AI004471, R44238, AI811208, R53519, AA373512, R49374, H17459, R44200, AA481183, AW207413, AI075435, N66439, AB029003</p> |
| 1645 | HTEKS27 | 876913 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2159 of SEQ ID NO:1645, b is an integer of 15 to 2173, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1645, and where b is greater than or equal to a + 14.</p> | <p>AA758002, AI657156, AI375103, AW021134, AW150836, AI684065, AA678409, AI694321, R17458, N62359, AI655208, AI702778, AI701838, AW043913, AA782285, R54239, AA436083, R59807, AI205974, N79126, AA112078, R35463, L13827, L13824, L13825, R59697, R51845, AI479241, R39382, AA083911, AI635429, L13826, R38307, AW393336, R13143, A61243, L23208, AR051320, AR051322, L30110, L23311, AR051321, L30109, A61247</p> |
| 1646 | HWMBAI 0 | 876920 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1380 of</p> | <p>AI749171, AI660550, AA677676, AA464420, AA284905, AA718994, AI141193, AA481894, AI078424, AA481977, AA703408, AI276556, AI017050, AA502348, AA936362, AA936704, AW131471, F36806, AW273475, AI261777, AI218960, AI218966, AI744229, AI248232, AA452839,</p> |

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| 1647 | HCQBO58 | 876921 | SEQ ID NO:1646, b is an integer of 15 to 1394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1646, and where b is greater than or equal to a + 14. | AI277984, AA053718, AI150864, AI140517, AI129769, AI160406, AW152129, AW000750, AI248566, AI805790, AI826304, AI086599, AA020812, AA018986, AA054250, AA019875, AW242786, AI903707, F22534, AI240050, T41072, W96529, AW069782, W68326, AA053858, H37782, AA055112, H83990, AI765563, F31495, AA020811, AI244397, H37923, AA013192, T51835, R50369, AW339481, AI903705, AW194148, AA019902, W68142, AW298469, AW003689, AI860462, AA019913, AW139654, AA383551, AA384419, AA883222, H41086, AI420423, AA021054, H86062, AI735754, R80952, W92479, AA535061, F31376, T40204, C04332, AA019941, AA464476, AW050973, AI560455, AI470969, T51881, AI695746, AA284774, AA855078, AA013427, H38276, W92489, AA412431, AA844626, AW074589, AA919166, H86397, AA906632, F36956, AA018714, AA021006, AA457128, W68469, H83989, AA015696, AW050422, AA402869, AA015660, AA464421, AA454730, AA015659, AA454780, T28267, AA018985, AA018750, AC006449 AI803478, AA578800, AI760557, AA569728, AI803206, AI199737, AI524625, AA825640, AA937979, AI436327, H83996, AA879427, AW205011, AI284171, AA262130 |
| 1648 | HWLGQ64 | 876923 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1647, b is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1647, and where b is greater than or equal to a + 14. | AI743526, AA535976, AA534299, AI245191, AA917952, AI360198, AA189088, AI476640, AI750101, AI151214, AI219288, AI189990, |

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| 1649 | HCQCV14 | 876926 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1579 of SEQ ID NO:1648, b is an integer of 15 to 1593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1648, and where b is greater than or equal to a + 14.</p> | <p>AI127112, AI582665, AI050781, R80366, AA706856, AI581641, AA693998, H01950, AW016083, AW292149, AA915966, AI219588, R07874, R68737, AA531303, AI192934, AI149588, H02159, R78817, T52702, R73741, H45133, R69845, AI832515, R21520, R78816, T46918, R68019, AW025113, R68683, H45436, R80252, R35081, R69003, T52701, AA724770, R80206, AI521622, AW272700, R12585, R80309, R79313, H04450, R78008, AI222696, R79314, R69002, R07933, R69844, R21622, R23749, AA873780, W95082, R35080, T46932, R70944, AW029093, R68018, AI619788, AI582092, T49292, R09945, T46933, AI337719, AA233721, R23802, AA378781, AA917397, AA923057, T49293, AW361573, AI241836, AI261408, U26726, U14631, AF126744, AF126745, U23835, U14128, AF074706, U22424, U27318, S83516, S80133, U27317, S83532</p> |
| 1649 | HCQCV14 | 876926 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 558 of SEQ ID NO:1649, b is an integer of 15 to 572, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1649, and where b is greater than or equal to a + 14.</p> | <p>AP000529, AP000528</p> |
| 1650 | HCROO59 | 876934 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 391 of SEQ ID NO:1650, b is an integer of</p> | <p>AA376902</p> |

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| 1651 | HCRPN27 | 876936 | <p>15 to 405, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1650, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 981 of SEQ ID NO:1651, b is an integer of 15 to 995, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1651, and where b is greater than or equal to a + 14.</p> | AA457220, AA354909, AA040828, AI688798 |
| 1652 | HCRON34 | 876938 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 622 of SEQ ID NO:1652, b is an integer of 15 to 636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1652, and where b is greater than or equal to a + 14.</p> | AI634562, AA129701, AA129323, AA129745, AI269483, AI952719, AI656261, AI239764, AI678885, AI873730, N48153, AA904475, AA653518, AI538894, R43961, AI287295, W68609, AI114476, AA973355, AI866872, AA133249, AI681503, AA133292, AI690203, AW271391, D29021, AI186074, AA757303, AA742226, AA737777, D29578, AI825401, AI934240, AA587412, AW051055, AW020046, W68807, D83781 |
| 1653 | HFKFH50 | 876940 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1241 of SEQ ID NO:1653, b is an integer of</p> | AA927698, AI300925, AW009795, AA402380, AI830852, AA430318, AI493302, AI142868, AI037989, AI423267, W52884, AA907276, AI333045, AA628712, AA988209, AI363130, AA987992, AA578507, AI298580, AA639466, AA402235, AI052201, AI073629, AA458463, AA564499, N78968, AA534799, AW083734, AA442975, AI074925, |

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| 1654 | HCRQG66 | 876941 | <p>15 to 1255, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1653, and where b is greater than or equal to a + 14.</p> | AA400276, AA053124, C04884, AA775515, W60092, AA425157, R83528, AA401316, AA676435, D51268, AA359764, H27189, C01185, AA402234, H27190, R37964, W39595, T27801, D55114, R45640, AA146682, AA485712, AI971664, D52799, AA347823, AA485845, AI079236, AW445076, AW444515, AA031677, AA031678, W17355, AA146681, AI739376, AA053511, AA343828, AA035266, AI648529, AI867052, AC004634, AR042382, L17032, L36027, L05489, M93012, X89728, Y15731, AR042385, X67295, L17029, L17030 |
| 1654 | HCRQG66 | 876941 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 504 of SEQ ID NO:1654, b is an integer of 15 to 518, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1654, and where b is greater than or equal to a + 14.</p> | AW392670, AA581171, Z99396, U46347, AW384394, AW363220, AL119484, AL043003, AL119443, AL119497, AL119444, AW372827, AL119457, AL119319, AL119324, AL119439, AL119483, AL119391, AL119522, U46351, AL119363, AL119355, AL119335, AL119418, U46341, AL036418, AL038837, AL119396, AL119341, U46350, AL134132, U46349, AL037051, AL043147, AL036725, AA631969, AL119496, AL134530, AL134519, AL037205, AL036858, AL036924, AL134531, AL119401, AL134527, AL134528, U46346, AL039074, AL042614, AL134533, AL119399, AL042984, AL042965, AL042975, AL042542, AL042551, AL134538, U46345, AL042544, AL042989, AL043019, AL134542, AL037094, AL038509, AL043029, AL036196, AL042450, AL037085, AL037082, AL037077, AL037526, AL036767, AL037639, AL036190, AL119464, AL038520, AL036268, AL036998, AL036733, AL037027, AL037615, AL036191, AR056494, AR060234, A81671, AR023813, AR064707, AB026436, AR054110, AR069079 |
| 1655 | HCROW80 | 876942 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | AA330056, AA236014, Z98049, AF149770, AC004801 |

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|------|---------|--------|--|--|
| 1656 | HLQER45 | 876943 | <p>the general formula of a-b, where a is any integer between 1 to 779 of SEQ ID NO:1655, b is an integer of 15 to 793, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1655, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1048 of SEQ ID NO:1656, b is an integer of 15 to 1062, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1656, and where b is greater than or equal to a + 14.</p> | <p>AI626059, AI626106, AA826765, AI040137, AA643166, AA700884, AA548726, AW361733, AI424257, AI860448, AA580441, AI985034, AI720331, AI720332, AI459935, AW383179, AA308449, AW383230, AW383291, AI304515, AW383110, AW383173, AI084026, AI801735, AA135152, AA588817, AA588576, AW383112, AW383292, AI829153, AW383143, AW016001, AI802779, AW361734, AA129139, AW383175, AI475415, AA834407, AI247812, AI282992, AW376286, AW392915, AA502781, AA053766, AA973594, AW238610, AI860189, AW084925, AA344804, AW363161, AA129138, AW004060, AW363048, AA053663, AI638684, AW024090, AI694258, AA159581, AA345424, AW363163, T72477, AA933684, AA553869, T72849, AA513679, AW352403, AW365132, AW379947, AW363141, AA135289, T70578, AW363162, AW084865, AI680270, X53463, X68314, X91863, X91864, E02175, U62658, D16913, AF099176, AL080126, L24896, AL137292, M30514, AF161699, Y10823, L13297, AL110224, A07588, AR068751, AL117416, AR038969, I17767, X54971, E02914, Y10655, AF061795, AF151685, AL050092, AL137665, AL110280, S63521, AL137548, I89947, I48978, A08913, U57352, I89931, AL080127, S77771, A08912, A08910, A08911, I49625, A08909, AF090943, AF026030, I03321, A03736, AR038854, A18777, A08907, A08908, AL137461, AF017152,</p> |
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| 1657 | HWADQ26 | 876944 | <p> A07647, U62966, S76508, I89934, U00763, I09360, A90832, AF016271, AL137267, AL050280, AF159148, AF061943, AF008439, I18355, I34392, AL080162, AL137550, AB007812, AJ001838, AF117959, X76228, AF118064, AL050024, X70685, AF118090, AF141289, AL117583, U87620, U49434, AL137658, AL133568, AL117435, AL049464, AF017437, AR054987, E08631, AL049452, X63410, S75997, S36676, U53505, I52013, AF120268, E15324, AL137558, L31396, U68387, AL137656, AF004162, U80742, L31397, I00734, AF113694, AL133558, AF069506, Y09972, E00617, E00717, E00778, X96540, I29004, X66417, I89944, A70386, U75932, AL133054, A47363, AL050146, AJ012582, AL137521, AF114168, AF145233, AL049339, AL049300, AF113676, AL136842, A08916, AF026816, AF028823, AR034830, I96214, AF036941, AF055917, AF115392, U57715, AJ238278, AF026124, AF158248, AL133637, AF175903, AL133098, AL133557, AL122093, X62773, AF031147, AL049465, AL137276, X97332, AL110171, A92311, AF113019, AL137283, U55017, U92068, AF051325, AF176651, AJ242859, X67688, AL080158, AF205861, AL110225, Y14634, AL117394, A52563, AF106934, AF119358, U91329, AF057300, AF057299, AF115410, AL035458, AL110159, AR020905, AF113690, AF100931, Y10080, AF022813, AL137298, X60786, Y11254, AL049314, E12580, X52128, U86379, AF126488, E01314, Z37987, AL117457, AL050116, AL133016, X99717, AF199027, AF106657, E01614, E13364, AJ012755, M92439, U51587, U01145, AF091084, AL050277, AB026995, AF118070, E12579, X06146, E15582, U77351, S82852, AL137554, AL117585, AL122098, AF000301, AL133062, AL080140, AA523439, AI652347 H72650, AA486265, R36338 </p> |
| | | | <p> Preferably excluded from the present invention are one or more </p> |

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| 1658 | HLJB174 | 876945 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 598 of SEQ ID NO:1657, b is an integer of 15 to 612, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1657, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1658, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1658, and where b is greater than or equal to a + 14.</p> | <p>AI089472, AI201678, AA121121, AI225034, AA040061, AA026978, AW074127, AA588232, R75602, AI381304, AW316739, H96548, AA503627, AI049774, AI560029, AA860916, AI969449, N47791, AI130983, AI139753, T17035, W35381, AA161140, AA398755, Z40924, AI623471, H96500, C02374, AL080013, R48316, R75672, W32995, AI247236, R59185, R40930, AI080393, T32336, AL119457, AL119399, AL119511, AL042544, AL119324, AL043152, AL042382, AL043168, AA503612, AL079794, AI927233, AI538885, AI590686, AI679179, AI431323, AI537837, AI619691, AW029186, AA848053, AI446628, AI824748, AI360195, AI610362, AI679550, AL037081, AI625464, AW150308, AL042866, AI952145, AI476620, AI288285, AI433590, AI613471, AI620868, AI631977, AI583578, AI673785, AI365256, AI524654, AI636309, AI860817, AI472536, AI874243, AI553645, AI802240, AI473652, AW075305, AW103878, AI284515, AW087199, AI500061, AW051088, AI291973, AI828795, AL041928, AW268122, AI571868, AI624529, AI890509, AI867068, AI802542, AI433157, AI648567, AI652162, AI690946, AI554821, AW151136, AW084065, AI539771, AI922561, AI432644, AI584140, AI686817, AI537677,</p> |
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| | AI494201, AI627909, AI500659, AW089006, AI493559, AI866465, AI459322, AI815232, AI832245, AI801325, AI682891, AI500523, AI538850, AI887775, AI582932, AI872423, AI590043, AI923989, AI284517, AI500706, AI445237, AI491776, AI289791, AW151138, AI678446, AI889189, AI521560, AI500662, AI539800, AI582912, AW172723, AI284509, AL079741, AI889168, AI440263, AW088899, AI866573, AI633493, AI434256, AI866469, AI434242, AI805769, AI554344, AI888661, AI500714, AI284513, AI888118, AI873638, AI285439, AI538342, AI859991, AI436429, AW089275, AI889147, AI623736, AI355779, AI371228, AI581033, AI491710, AI431307, AI440252, AI866786, AW151451, AI610557, AI860003, AI431316, AI242736, AI376376, AI828574, AI887499, AW151979, AI537187, AI539781, AI094489, AI076761, AI539707, AI702065, AI866608, AI963846, AI885949, AI569309, AI633419, AW089557, AI559957, AI285419, AI521571, AI469775, AI866581, AI865320, AI860783, AI567953, AI815150, AW183130, AI446495, AI570966, AI537190, AW193139, AI056694, AW103398, AI355017, AI886594, AI364639, AI610115, AW150457, AW085786, AI636788, AW129230, AW080374, AI300354, AW080379, AI872722, AI567582, AL039456, AW088903, AI610402, AI370812, AI910464, AI963019, AI624693, AL046052, AW162194, AI919593, AL047422, AI440238, AI567971, AI269580, AI539153, AW081383, AI627893, AW080298, AI345477, AI683497, AI500504, AI583065, AI933992, AI582461, H42557, AL117568, Z95126, U77594, Y11587, AB026436, AF090901, AF115392, U49434, AF058921, L10353, |
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I03321, AR034821, AL137268, AL137712, AL137658,
I09499, AL133049, AL133067, I89947, S83440,
E12747, AL137429, AF107847, AL122049, E07108,
U78525, AF119337, AF199027, AL110222, AF114170,
A18777, I48978, U96683, AF047716, Y14314,
AL137550, AL133081, M27260, I66342, X72889,
U92992, AL049452, AL122050, AL122100, U36585,
AL137463, A21103, AL122106, AL080140, AF065135,
AR060234, AL080139, AL137558, A08913, AR038854,
AR066494, X62580, Z72491, AF114818, AL133072,
A08912, AL137480, A08910, AL137526, I89931,
A08909, AL133070, I33392, U42031, AL110221,
AL137256, S77771, AF032666, AF078844, AL050015,
I49625, A08908, AF031147, AF200464, X72387,
AL133619, AL133665, S76508, AL080060, E03348,
AF017437, AL133558, E03349, AF159615, A30910,
AR000422, AL117460, AL122045, X67813, AL050138,
A08915, AF102578, AF057300, AJ005690, AF057299,
AL137476, AL050366, I89934, AL137539, AL137488,
AF038847, AR019470, AF094480, AF182215,
AF113013, AL122110, A65341, AL133080, AL122098,
U68233, I92592, E01314, AL023657, AL133077,
A52563, AL122123, AL133104, AL133637, AF090886,
A65340, AF210052, AL137574, AF090900, A45787,
Y08769, I22272, AB019565, AF067790, AR013797,
Y16645, AF090943, X79812, U67958, X06146,
AL050172, A27171, S79832, AL133113, X66975,
AL117435, AL137548, AF022363, AL080163, A08907,
E02253, AF118070, AL137271, AJ242859, AF039138,
AF039137, AL137660, AL050155, AL137294, Z97214,
AC004227, AL117648, AF113019, AF119336, I42402,
AF026124, AJ010277, AL096751, AL050393,
AF113691, AF179633, AF113690, X66862, S36676,
AF067728, AL080154, AF111851, Z13966, Z82022,
AF183393, A58545, AL080137, AL133010, AL137555,
AF000145, AF008439, AF081195, AR011880, E07361,

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| 1659 | HE8TT24 | 876946 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 873 of SEQ ID NO:1659, b is an integer of 15 to 887, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1659, and where b is greater than or equal to a + 14.</p> | <p>AL035458, AL137300, I00734, A08911, I89944, U75932, AF100931, X66871, U92068, A77033, A77035, A76337, AL133645, AL117626, AL137459, AL133624, AF106697, AL050116, E00617, E00717, E00778, AF030513, A12297, AF106862, I68732, A58524, A58523, A08916, AF002985, AF012536, AF113689, AF215669, X61399, AL080159, AL049460, AL137530, X80340, AL117416, AR059958, AL080234, AF061795, AL117457, AF151685, AF158248, AL137665, AF104032, X96540, M92439, AC004686, AJ001838, L13297, E15582, AL117585, X54971, AF185576, AF026816, E02152, Y10655, Y10823, AF118094, AL137478</p> |
| 1660 | HSSJS63 | 876947 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 833 of SEQ ID NO:1660, b is an integer of 15 to 847, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1660, and where b is greater than or equal to a + 14.</p> | <p>AA477859, AI347465, AA741252, AI672808, AA251469, AI275156, H61853, H61854, AA336646, AA676384, AI909660, AA182632, AA082822, AA311433, AA125933, AJ238376, AJ238375, AJ238374, AF161479, AJ238379</p> |
| 1660 | HSSJS63 | 876947 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 833 of SEQ ID NO:1660, b is an integer of 15 to 847, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1660, and where b is greater than or equal to a + 14.</p> | <p>AI862703, AA612688, AW249954, AI827363, AA610743, AI432650, AI802722, AI239964, AA701945, AA612922, AI361623, N33537, AI301851, AW002136, AI802741, AA176363, AA576449, AA976265, AA766161, AA918580, AA653969, AA148478, AA827535, AA808278, H93495, H62703, T17099, AI972187, N51008, AW195377, N35315, AA468340, AW272194, AA932140, H27698, H18938, AI242349, AI218074, AI915880, AA601068, AI263921, AI925918, T95492, R95678, AA287244, AI916550, AA886254, H26101, AA641272, AI985842,</p> |

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| 1661 | H2CAA03 | 876949 | than or equal to $a + 14$. | AA284523, T64348, AI709153, AA405410, AA917562, AI625872, AA583805, AA514621, AA402915, AW299786, H28434, H21901, H21407, AI247273, T72816, H59524, T74771, AA931965, H60166, AA148477, AI767616, AI935706, AI640135, T28521, H24592, AA385649, T71664, AA835555, T72815, AI783613, H26143, R29069, L07548, D16307, AC006255, D14524, E04020, D13514, E04019, X68564, AB017196 AI200746, AA306947, AA679811 |
| 1662 | HCROI77 | 876952 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 494 of SEQ ID NO:1661, b is an integer of 15 to 508, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1661, and where b is greater than or equal to $a + 14$. | AA631215, AI924992, AW079378, AA988078, AI820581 |
| 1663 | H2CBW39 | 876953 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA315245, AB011148, A90836 |

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| 1664 | HHBHM68 | 876954 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 430 of SEQ ID NO:1663, b is an integer of 15 to 444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1663, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1265 of SEQ ID NO:1664, b is an integer of 15 to 1279, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1664, and where b is greater than or equal to a + 14.</p> | AI344224, AI343252, AI763340, AI971555, AI524277, AW195633, AW242690, AI949067, AW043627, AI949493, AI831556, AI589614, AA569876, AW118064, AW294645, AW022953, AA806680, AW068609, AA773062, AA461578, AW302627, AI962293, AA661535, AI914032, AI077935, AI350493, AA045227, AI433117, AA304941, AI475606, AI375626, AI307282, AA316518, AA814665, AA805929, AA622783, AW384234, N40708, AI355690, N29617, AA630457, AI671471, AI184753, AA251540, AI769738, AI192362, AI584155, AI040830, AW392440, N62356, AA099428, N48993, N41617, AA058804, AA167231, AA206488, AA167230, R66016, AI143758, AA669452, AA171987, AW028843, AI094496, AI219343, AI928715, AI640579, AA857867, T98791, AA130523, AA101889, AA460290, AA251498, AI868406, AI206342, R66015, AA172303, AA570042, AW401363, AW366605, AW007103, AA657969, AA635112, AA308035, AA373437, AI688532, AW068608, AI671588, D11580, H79250, AA503511, T27591, AA306546, AA330367, AW402028, AI219231, AI913403, AI630129, AA130522, AA344392, AA319396, T98790, N45715, AA569886, J02645, X53689, J02646 |
| 1665 | HSYBF36 | 876957 | <p>Preferably excluded from the present invention are one or more</p> | AI341667, AA180986, AI341558, AI093197, AA031711, AI694268, AI469856, N63041, N50125, |

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| 1666 | HWMCE91 | 876958 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2495 of SEQ ID NO:1665, b is an integer of 15 to 2509, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1665, and where b is greater than or equal to a + 14.</p> | <p>AI478279, AI150599, AI597740, AI985206, AI671591, W72535, AI741942, AA037642, AI962374, AA180865, AA031648, AI800796, AA436065, AA129939, AA002265, AI074205, AI056532, AI656721, AI275143, AI337739, AW172525, W00519, AA446926, AA043021, AA830493, AI655558, AI769027, AA443349, AI095056, AA917703, W93307, AA526333, AI689128, AA777090, AW002829, AA101851, AW139517, AI128702, AI276137, AA873711, N98234, W76109, AI631104, AA856832, W92810, AA042939, H87505, AA129938, AI688779, AA693329, AI676108, T87624, AA570072, AA037641, AI186390, T74071, AA031685, AA037500, R82703, AA037234, AW380430, AA985191, R82654, H87506, AA938640, AI926907, AI916503, AI696069, AW140052, AA102060, F12449, AI671894, AW057528, AI695458, AA046964, AA725452, AI968837, AA917824, AA054749, F10070, AA917678, AA683581, AA937814, AI932475, AI984598, AA046963, AA053281, AI801723, AI499751, AA085888, AA031686, AI074981, AI279953, AI809560, AF038662, AB024436, AF022367, AF142672, AA890722, AI695176, AI223269, W15428, AI678286, AW449557, AI344351, AW129566, AW083717</p> |
| 1667 | HUVFJ36 | 876959 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1666, b is an integer of 15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1666, and where b is greater than or equal to a + 14.</p> | <p>AI923735</p> |

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| 1668 | HLYBU84 | 876961 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 511 of SEQ ID NO:1667, b is an integer of 15 to 525, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1667, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1335 of SEQ ID NO:1668, b is an integer of 15 to 1349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1668, and where b is greater than or equal to a + 14.</p> | <p>AW007548, AW369750, AI908457, AI630915, AW365081, AI817246, AI686944, AW162565, AA534893, AA033782, AA599322, AI096489, AA621824, AA176242, AA483552, AA588407, AI862878, AA427425, AA613885, AA412220, AA243477, W94878, AI460031, N95605, AA470032, AA677651, AI148140, AA902530, AA577431, AA523380, AI434640, AW026082, AI573043, AI129794, AW009274, AA554102, AA700766, AW292794, AI673429, AW160961, AW026393, AW272201, AA156869, AA075534, AI802460, AA643550, AA075634, AI086037, AI434128, AA432191, AI934640, AA936148, AA832390, AA043287, AI075001, AW009314, AA830134, AA769386, AI370761, AA075581, AA603666, AW337458, AA553892, AW380901, R36977, AI301698, AI613297, AA431171, AW190498, F36773, AA176143, AA961812, AA075591, AI201445, AA034038, AI355815, W93408, AA417790, R37629, AI538237, AA190514, R33090, AW087224, AA191034, H29313, AW057939, AI792731, AI384050, AA306868, AI016135, AI015828, T15760, R07498, AI587586, AA043626, AI034090, R00242, AA083325, AA553691, AI383781, F21581, AA156870, AA311197, F01230, AA316341, AA417694, W25045, AI147345, AI418700, AI202543, AA319535, AA933690, R07551, T60037,</p> |
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| 1669 | HWLMK6 5 | 876963 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 472 of SEQ ID NO:1669, b is an integer of 15 to 486, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1669, and where b is greater than or equal to a + 14.</p> | AA376766, D19678, AA311196, AA196806, H01342, F30880, AA629750, F33909, AA243536, R00351, AA302201, AA524118, W28836, AA281519, R33180, AA719927, R76589, AA083438, AA911141, AA494408, AA034119, AA295285, T23201, AI984875, AA156979, AI142352, AI971194, AI762052, AI174475, AW026079, H01393, R76588, AI086242, AA777753, AA258556, AA782087, AI651923, AI306436, AA946836, AA946830, AW139820, AA946595, AA973780, AA761539, AI088083, AA741308, AA968972, AA865328, T86736, AA459999, AA701556, AI188245, AI188276, AI000875, AA599243, N32426, AI023878, AW027063, AI088920, AI193846, AA126805, AI800579, U20272, D32257, U14134, AC004739, AC006045 |
| 1670 | HWLPY93 | 876964 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1943 of SEQ ID NO:1670, b is an integer of 15 to 1957, where both a and b correspond to the positions of</p> | T86558, R74597, AA495751, AI204352, N56848, AI242056, W20015, AA460093, AA307386, AA700368, AA693860, R97459, AI806458, R97416, AA164861, AI241618, AA235676, AA362800, AA203578, AA203546, AA704439, AI862463, N35933, N45430, AI239984, AI375890, AI393761, AI378188, N35287 |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1943 of SEQ ID NO:1670, b is an integer of 15 to 1957, where both a and b correspond to the positions of</p> | AI433785, AI379875, AA403186, AW069343, AI129895, AW069233, AA534411, AA181432, AA032182, AI935567, AI376398, AI089572, AI452747, AI803472, AA447447, AA236374, AA128133, AA477274, AI038660, AA477275, AI002572, AA233880, AA447446, AA181371, AW130668, AI769036, C03202, AI277470, W07713, AA715421, AA126867, AI680552, AA404675, AA126195, C04150, F30780, AA235347, AA192944, |

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| 1671 | HWMBV3 7 | 876965 | nucleotide residues shown in SEQ ID NO:1670, and where b is greater than or equal to a + 14. | AA421799, AA024985, N80591, D79794, F37772, AA127217, AA027110, Z36263, AI925660, F35592, AW263312, AI139845, AA247376, AI038015, AI128210, AA193137, AL119598, AA249326, AA629114, F31719, AA232826, AA729266, AI193315, AA249762, AW373642, AW373769, AI375939, AI383560, T29636, AW391401, AF114264, AF056035, AF056034, S67069 W05557, AA278474, AA485179 |
| 1672 | HCDME16 | 876966 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 801 of SEQ ID NO:1671, b is an integer of 15 to 815, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1671, and where b is greater than or equal to a + 14. | AI380296, AW206501, AI393559, AI369479, AI362907, AI125368, AW272471, AW136950, AW273903, U46350, U46345, AF166331, M60329, AJ272227, X86395, X86396 |
| 1673 | HCRQM25 | 876967 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | Z46094 |

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| 1674 | HWMBV7 2 | | the general formula of a-b, where a is any integer between 1 to 577 of SEQ ID NO:1673, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1673, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 602 of SEQ ID NO:1674, b is an integer of 15 to 616, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1674, and where b is greater than or equal to a + 14. | AA863064, AI637610, AA075674, AA075545, AA206591 |
| 1675 | HCRQK24 | 876969 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 653 of SEQ ID NO:1675, b is an integer of 15 to 667, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1675, and where b is greater than or equal to a + 14. | AI032744, Z60017 |
| 1676 | HWLOK80 | 876971 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA694142, AA815120, AA749173, AI005429 |

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| 1677 | HNTBD04 | 876975 | <p>the general formula of a-b, where a is any integer between 1 to 817 of SEQ ID NO:1676, b is an integer of 15 to 831, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1676, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1305 of SEQ ID NO:1677, b is an integer of 15 to 1319, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1677, and where b is greater than or equal to a + 14.</p> | <p>AI379864, AI081896, AW131833, AW170478, AI806491, AI378805, AI709093, AI491963, AI343481, AI083547, AA411203, AI718197, AA281624, AI379105, AI379556, AI361971, AA844487, AA422096, AI493410, AW370896, AI380997, AA583293, W04273, AW370895, H50534, AA465371, AA281683, AA890322, AI671250, AA465447, AA581543, H68367, H68369, AA338712, AW152574, T40124, R36504, T10779, R83236, AI699600, AI239994, AI333199, AW183647, AA353157, L48692</p> |
| 1678 | HWLUV59 | 876976 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 456 of SEQ ID NO:1678, b is an integer of 15 to 470, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1678, and where b is greater than or equal to a + 14.</p> | <p>AI889597, AI684260, AI351574, R98436, H51098, AI631843, AW291703, AW300604, AW194814, AW370191, AJ224747, AJ224748, AJ001306</p> |
| 1679 | HSUSF13 | 876977 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AI085974, AI858091, AI720077, AW072390, AI989948, AI934584, AW117525, AW237303, AW150311, AI692995, AI815035, AW102807, AI832505, AI922557, AW069468, AA446165,</p> |

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| | | <p>the general formula of a-b, where a is any integer between 1 to 1112 of SEQ ID NO:1679, b is an integer of 15 to 1126, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1679, and where b is greater than or equal to a + 14.</p> | <p>AW377667, AI342228, AW295915, AA843597, AA031368, AA031369, AA506182, AI338064, AW002066, AI128919, AI083953, AW367975, N27866, AA582219, AI751107, H96650, W47079, AI129845, AI953830, AA976702, AI750786, AI366199, AI014661, AI090678, H96654, AA846208, AA018530, AW085102, N92750, AI142994, W46779, AA044355, N40640, AI031911, AA913602, AA506298, AA769731, W78040, AA917375, R68943, W46978, N20969, AI750787, AA102449, H28051, W32033, N40269, N30984, R67524, AW367978, AA876079, H26305, H84840, AW074611, R70575, AA883585, AA725372, H13743, AI751106, W19406, AA778022, R70485, AA044033, H00808, AA055964, AA296636, AA459816, R78950, H26464, AI300644, AA642011, AA508205, AA508225, AW235801, AA649284, R24391, AA508374, AA035658, AA301832, AA296525, R21974, H88611, AA506194, AA370945, T90836, AI025235, H88612, AA055963, AA857378, R67525, AA018277, AI828914, R24281, H98539, AA337106, AA374691, T85743, H39859, R68830, R21973, AW366386, D61749, N28622, AA322178, AA975143, AA096079, AW025044, AI040706, AI459355, AW367977, W31440, AA302828, AA382269, AA382270, AA459696, R57416, AI684270, AI523423, AI554821, AI686576, AI537303, AI590021, AI624548, AI868204, AI955906, AI637584, AI818353, AI089970, AI581033, AI564290, AI569975, AI866469, AI440260, AI884574, AI621341, AI609409, AI458237, AI564719, AW008779, AI950892, AI927233, AI540674, AI538692, AI670002, R36271, AI698391, AI909661, AI866465, AI610690, AI783861, AI537273, AI866801, AW262042, AI800380, AI453328, AI538850, AL036901, AW118518, AI633125, AI697324, AI978703, AI583065, AI537244, AI538716, AA761557, AW160916,</p> |
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| | AI623941, AI560023, AA641818, AI815232, AW071177, AI569309, AL134259, AW410259, AI702073, AL047100, AI537191, AW198090, AW149311, AI567944, AI696340, AW148408, AI612913, AI474646, AI440238, AW083804, AA715307, AA809974, AI432969, AI539260, AI860027, AL036923, AA470491, AI862139, AI819326, AI433157, AI654750, AI499393, AI539771, AI520785, AW151132, AI366900, AA835801, AI355779, AI923989, AI537677, AW051088, AW087207, AW169671, AI886206, AW161156, AI635492, AW105383, AI879377, AI690410, AI863382, AI872423, AI091468, AL038986, AW151766, AI524654, AI625595, AW073996, AI798456, AI804585, AI801325, AW022682, AI522052, AI439087, AW082033, AW104724, AI859991, AI573032, AF125535, Z92846, U00763, U01145, AL080140, A83556, I48978, AL035458, AC005291, A77033, A77035, AC007298, M81784, AF081195, U95739, AL080163, AF081197, A91162, AL050138, E08631, I89947, AF087943, AL050149, U72620, A76335, AL137459, E06743, AL110222, AL137480, AF098162, AL133665, AF100931, AL137558, X80340, AL137550, AL110218, AF061943, AF126247, AL049283, AL050024, X65873, AL050277, A08910, A58524, A58523, A08909, I48979, X61970, AL137526, Y16645, A08908, AL096744, A08913, Z37987, AF061795, AL080239, U62807, AF151685, AF039138, AF039137, AF201468, AR038854, AL133075, AF032666, X82434, AL122049, AL133640, AL133568, AF030513, X53587, AC004383, AF097996, AL137557, A65341, AF090900, U80742, AL122093, Z97214, AF104032, AL137476, X81464, AF078844, AL133080, AL049382, I26207, X84990, AL122100, AL137529, AL117457, AL117435, AR011880, AF026816, AJ006039, AF177401, |
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| 1680 | H2CBE41 | 876978 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 616 of SEQ ID NO:1680, b is an integer of 15 to 630, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1680, and where b is greater than or equal to a + 14.</p> | AL137488, Z35309, AL133560, I89931, AB016226, AL133557, AF184965, AR034821, AF008439, AL137463, I49625, A08907, AL122110, X53777, AL133072, AL110280, A08916, AF125948, AF090934, AF028823, AJ000937, AL117587, AL080074, AL137554, A91160, Y14314, A08912, AL137656, AC004822, A23630, A18777, AL049430, AL137533, AF079765, A03736, AL049347, U88966, X72889, A08911, AL122121, AF113691, AL137560, AL137538, AF090901, X93495, AL133031, I96214, AL080159, AL117626, AF090903, AL133016, I09499, AL122045, AF061981, AL080148, S76508, AL122123, AL050366, AR034830, AL137627, AF113019, AL133558, Y18680, AL122050, I33392, AF113699, Y13350, AL133081, AF079763, AF111849, E07108, Y09972, AF067728, AL133077, AL110225, S68736, AL122118, I32738, AL133113, A18788, I89934, AL080110, AF091084, AF031903, E05822, AF111851, U35146, AF183393, I03321, AF106862, AL137479, M80340, I89944, A21103, Y10655, S75997, L13297, S36676, AL122111, AA307330, AT032392, AI434808, AI632534, AW136621, AI992345, AI637461, AA836544, AA745059, Z21538, D20524, D80522, D81026, AW377671, D58283, D59889, D80133, D80043, D80022, C14331, D80248, D81030, D59859, D80188, D80166, D50979, D80195, C15076, D80269, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D59787, D80227, D80212, D59502, D57483, D80196, D80219, D59927, D50995, D80251, D80038, AA305409, D80193, D59610, C14389, D51060, D80378, C14429, D80024, D80366, AA305578, D51022, D59373, D80045, C75259, AW177440, AA514188, D80241, C06015, AW360811, AW178893, D80268, T03269, C14014, D59627, AA514186, AW375405, AW360844, D80014, D80132, AW179328, AW177501, AW177511, D51213, D80247, |
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AW378532, AW366296, AW352170, AW360817, D80302,
AW375406, AW378534, AW352171, AW179332,
AW377672, AW179023, AW178905, D80439, AW177505,
AW178775, D80064, C05695, AW377676, D81111,
AW178762, C14227, AW360841, D58101, AW352117,
D80134, AW178906, D51250, AW178909, D59503,
D58253, AW177731, AW178907, AW178754, AW179019,
AW179018, AW179024, AW369651, AW367967,
AW352158, F13647, AW179020, AW176467, AW177456,
AW179329, AW178980, AW360834, AW177733,
AW378528, AW178908, AW178971, D51103, AW352174,
T02974, C14407, D51759, D80157, AW179017,
AW179004, AW179009, AW179012, AW178914,
AW378543, AW378525, AW352163, AI910186,
AI557751, T11417, AW378539, D80168, AI905856,
T03116, AW178774, AW178911, AW177722, AW177728,
D59653, T48593, AW378540, C14298, AI557774,
D45260, AW178781, AW352120, C03092, D60010,
H67866, AA809122, H67854, AI525923, Z21582,
D52291, AW367950, D59695, D80949, C14344,
AI525917, D59317, D45273, D58246, D59474,
D80258, AI525227, AA285331, C14046, C14973,
AW177734, AW378533, D51079, AA514184, D51097,
AW167716, AW178986, D51221, C16955, C14957,
AI525920, AI535686, D59551, AI525912, D60214,
AI525235, AW179013, H67858, T03048, Z33452,
AI525242, AI525925, AI525215, F13796, AW378542,
C05763, U38654, AF154840, AF125393, U57094,
A62300, A84916, A62298, AJ132110, AF058696,
AR008278, AR018138, AB028859, D34614, X67155,
Y17188, D26022, A25909, Y12724, A67220, D89785,
A78862, A82595, A94995, D88547, AR008443,
AR060385, AB002449, X82626, AR016808, AR025207,
I50126, I50132, I50128, I50133, AR066488,
AR016514, AR060138, A45456, A26615, AR052274,
AR054175, AR038669, Y09669, A43192, A43190,

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| 1681 | HWLFY03 | 876980 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 598 of SEQ ID NO:1681, b is an integer of 15 to 612, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1681, and where b is greater than or equal to a + 14.</p> | <p>AR066490, I14842, AR066487, A30438, Y17187, I18367, AR008277, AR008281, A63261, D50010, A70867, AB012117, AR062872, AR016691, AR016690, U46128, X68127, AR008408, A64136, A68321, A85396, D88507, AR066482, A44171, I79511, A85477, I19525, A86792, D13509, AR060133, X93549, X72378, AF123263, AR032065</p> <p>AA307778, AL119084</p> |
| 1682 | HE2IX48 | 876981 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1180 of SEQ ID NO:1682, b is an integer of 15 to 1194, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1682, and where b is greater than or equal to a + 14.</p> | <p>AA426499, AW081325, AI985955, AW021040, AI160194, N51691, AI139313, AI378674, AA622963, AI624270, AI656023, AI418379, AI095120, AI634162, AI362188, AI190851, AI091497, AA009944, AA418983, AI336531, AI394274, AA857944, C15793, AI214264, AI277517, AI346314, N47105, AI361996, C16060, AW192963, D57940, AI536992, AI304548, AA918156, C16528, N40979, N67845, AA393695, AA857656, AI659750, H95189, AI493625, C16468, D56642, AI094425, AA552961, AI080394, R81446, AW439682, N51633, D56627, D56835, N44986, H88689, AI589928, AA379627, R76880, AI832292, H88648, C16043, D57541, D57973, AA328571, D57430, AA360724, AI089758, C16179, C16087, D79736, AI445344, D56588, R32408, AI470720, R81649, AI279894, AI933918, AI218414, R69853, AA056022, AI333062, AI004951,</p> |

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| AI088814, AI301446, AI301394, AA775678, AA603697, AI151369, AA775618, AI961728, D56917, AI151348, AI921968, H88952, AI423219, AA101875, AA345303, AI379653, AI218413, AA148883, R69854, AI553652, C16222, AA247850, AI638373, D62852, D57431, C16128, T99176, AW073968, C21346, D79319, D25644, R57315, D62988, C16117, C16253, N50313, AA918998, R32407, AI096770, AA479361, AA564604, AA479186, R77041, AA478645, AW205520, AW069594, AW104938, AI755000, AW069627, AI264950, AI362021, AI584053, AI367672, AW337368, AA206329, AW128957, AA666020, AI249775, AI130987, AW198220, W74332, AW338136, AA872307, AA171971, AW241261, AW338347, AA148956, AI916347, AA554374, AA862791, AI718186, AA150911, AI659417, AW026625, AI190520, T27978, H89035, AA975415, AA479472, AI911934, AI819270, AA256999, AA977736, AA723064, W72577, AI336178, AA722599, AA905491, AA075265, AI580783, N26834, AA532639, AI193987, AA142873, AI620284, Z20033, AI039612, R62837, AI433157, AI358578, AI500659, AI500523, AI284517, AI275175, AI539771, AI433976, AL045500, AI537677, AI281773, AI491776, AI801325, AI499463, AI624206, AA452612, AW151138, AI696612, AI815232, AW148320, AL045266, AW008048, AI282655, AI572787, AW075351, AI524671, AI274508, AI889376, AI866457, AI282281, AW087445, AW075413, AI432666, AI567940, AL036802, H52440, AI436456, AI610362, AI270707, R64680, AI963846, AI612913, AI554821, AI783504, AI866608, AL121286, AI637584, AW238730, AI538716, AI862144, AI926790, AI500077, AI702406, AI921248, AI590120, AI571909, AL040243, AI702073, AI349598, AI269862, AL038605, AI249323, | | | | |
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AI702068, AI869367, AI281772, AI631107,
AL036396, AI610402, AI281837, AW170635,
AW051258, D45889, A74912, I89947, I48979,
A08916, A08913, I89931, D13542, I48978,
AL137527, AF091084, L31396, AL133640, L31397,
AL049452, AF104032, AL122049, AF113013, A03736,
AL049430, AF113677, AL050116, AF106862,
AL137557, AL122098, A08910, AL050277, AL117457,
A08909, AF090943, AF146568, AL080159, S78214,
AL133016, AF113699, AL137459, A65341, E07361,
AL133080, AF113691, AL080060, A77033, A77035,
I33392, AL110196, AL137463, AL133113, AL049466,
AF113019, U42766, Y16645, AF113690, AF090903,
AL117460, AL050149, AL080124, Y11587, AL050393,
AF090934, AL137271, AL049938, AF125949,
AL133557, AF177401, U35846, AL049283, AL133565,
AF078844, AF090901, AL049382, AL050146,
AF090900, I49625, Z82022, AL117583, AL133093,
AL122110, AJ242859, AF113694, A58524, U80742,
E03348, AF067728, AF113689, AB019565, Y11254,
AL049314, AF113676, AF118064, A58523, AL122123,
AL110221, AR059958, S68736, AF125948, AF090896,
AL122093, AF158248, AL050108, AF118070,
AL050138, AF183393, X84990, X72889, AL137550,
AL122050, AL133072, X82434, AF111851, E02349,
AL133075, AL133560, AF017152, AF017437,
AL117435, AF118094, AL080137, I03321, AL122121,
AL133606, AF087943, AR011880, E07108, AL096744,
AL117394, AL110280, AL050024, AJ000937,
AL117585, AL049464, U91329, E15569, A93350,
AL137648, A93016, X63574, U67958, AF097996,
I42402, U00763, A12297, X93495, AL137538,
AJ238278, AF079765, AL110225, I09360, AL133077,
I26207, AL137521, AL049300, Y14314, AL137283,
U72620, X96540, AF119337, AL080127, X65873,
X70685, AF026816, AJ012755, AL133067, AF153205,

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| 1683 | HNFHD27 | 876983 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1000 of SEQ ID NO:1683, b is an integer of 15 to 1014, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1683, and where b is greater than or equal to a + 14.</p> | <p>A08912, AF061943, AR038969, E08263, E08264, AL137560, AF185576, X98834, AL110197, AL050172, AL133014, AL137480, S61953, AL133104, AF111112, AR000496, U39656, AF026124, AF057300, AF057299, AL137523, E05822, AL137556, 237987, AL133568, AL137476, AL137526, AR038854, U58996, AF079763, AF111849, AJ006417, AF003737, AF061981, X87582, AL117440, AC004383, U49908, AL133098, AL137488, AF061573, AF032666, A45787, U96683, Y09972, I00734, Y07905, AF051325, X92070, AF162220, E00617, E00717, E00778, U78525, L19437, A07647, Z72491, M30514, AF177767, AL122118, X53587, AL080074, AL137300, AL137533, AF106827, AC002464, AF106657, AF008439, AR020905, AR013797, A90832, L30117, I17767, E08631, AF095901, E04233, U68387, I09499, AF139986, AL133031, E02221, AF118090, AL122111, AF210052, AL122100</p> |
| 1684 | HWLXS11 | 876984 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 417 of</p> | <p>AI742835, AI469703, R98751, R83167, AI538038, AI215412, T96765, AA206614, R93713, AI678748</p> |
| | | | | <p>AI692881, AI240606</p> |

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| 1685 | HCRPG94 | 876985 | SEQ ID NO:1684, b is an integer of 15 to 431, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1684, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 555 of SEQ ID NO:1685, b is an integer of 15 to 569, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1685, and where b is greater than or equal to a + 14. | AA307658, AW381667, AW295050, AI525535, AF095791, AF220152 | |
| 1686 | HCUGO73 | 876987 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 908 of SEQ ID NO:1686, b is an integer of 15 to 922, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1686, and where b is greater than or equal to a + 14. | AI581133, AI183335, AI591306, AI859797, AI474090, AA757640, AI076898, AI559591, AA457735, AW173564, AW204070, AA480846, AA767766, AI526090, AI392866, AA723065, AA939140, R52542, AW103638, AA766199, AA757573, AI591339, AI910407, AA036665, W47118, AW020710, AA580663, AI039858, AA708505, AI002285, AW090087, AA641818, N63128, AI440263, AL040827, AI889256, AA939199, AI866465, AI401697, AW263804, AI538850, AI688848, AL120853, AI886440, AI859782, AW161156, AA557132, AI567961, AI801325, AW020373, AI587000, AW020397, AI624950, AI500714, AA056265, AW020693, AI581033, AI961414, T99953, AI918554, AW167918, N99092, AI619513, AI345005, AL041016, AI340627, AI570861, AI889147, AI582932, AL121564, AI685798, AI698391, AI345014, AI538564, AI915291, AW152182, AA420722, | |

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| | AW161579, AI471909, AI923989, AI284517, AI590043, AI491852, AL047422, AI889189, AI811192, AI917994, AI473536, AI340982, AW079432, AA857847, AL049048, AI866469, AW151979, AA741027, AI371251, AI859991, AI884318, AI440238, AI624245, AI568061, AW075382, AI923750, AI348854, W74529, AI866573, AI702343, AI539260, AA042949, AA502794, AW191003, AW071380, AL036923, AI334893, J05272, AC007283, U00978, A91160, A91162, I48978, Y10080, X06146, A21101, I52013, AF125948, U49434, AL133080, A83556, AF017790, A08910, A18788, D89079, AL117440, A08909, S83456, A49139, AF047716, A58524, A58523, AF119337, A08908, X70514, AL137292, I30339, I30334, A08912, AJ006417, E12747, AL136884, S63521, AF087943, A07647, U42766, AF124435, AL122045, AL133072, AF113013, I00734, I48979, A76335, S77771, E00617, E00717, E00778, AL137476, AR038854, A08907, AL050172, U58996, X15132, E04233, A08913, AL137459, AF146568, U72621, AL096720, A12522, A18777, I89931, Y18680, AF111849, S76508, D16301, A08911, I89934, I89944, AL050149, I49625, AF094480, L04849, Y08864, AJ000937, AL137640, AL049430, AL080154, I46765, AL122100, AJ003118, AL117587, AL050280, AF159148, AF026124, AF106945, AF118094, AL117460, U62807, AL049996, AB016226, AF113019, AL133637, AF100931, Y16645, S36676, AL110196, A77033, A77035, AL080159, AF143957, AF079763, Z37987, AL117457, Y14314, AL080156, AR038969, AL137488, AF090901, AL080126, X65873, U35846, L04504, AJ012755, I89947, A17115, A18079, A15345, AL080124, X62580, AL049382, X63162, AL117649, AL110158, AF090903, AL050116, AF061981, I32738, AB030279, AL080163, AL133112, |
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| 1687 | HPMDD49 | 876989 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1582 of SEQ ID NO:1687, b is an integer of 15 to 1596, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1687, and where b is greater than or equal to a + 14.</p> | <p>AL137267, I68732, D83032, L13297, A08916, AF031903, AF118090, AL133568, AL110225, AL122123, M80340, AC004200, AF179633, AL137463, X81464, AL137627, AR013797, AF207750, AF113690, AF017437, X66871, AL133558, AL049283, I33392, AF051325, AL049464, L30117, M85164, M27260, AF199027, AF180525, U78525, AL133569, A52563, AL137527, Y07905, AF139986, AR068466, AL137548, AL137665, AF061943, U72620, AL137550, AL137539, AL117648, AL049347, AF038847, Y10936, A90844, AL137560, E02349, AL110296, AF090886, AL096744, I25049, I25048, AF177401, X86693, AF039138, AF039137, AL117394, AL133010, AF112208, AJ005690, AL137479, X72889, A90832, AL133665, I80062, E02152, I79595, AF002985, S75997, AF113694, X82434, AF119336, AF090943, AB031064, AF069506, AL133624, AL110221, X54971, U57352, AF016271, AL117443, AL137641, AL137480, AL049452, I29004, X66417, AL110159, AL133560, S61953, Z48796, AF028823, AL137283, I28326, AF067728, X87582, U67958, A93350, AL137529, E07108</p> |
| 1688 | HCNSF23 | 876990 | <p>Preferably excluded from the present invention are one or more</p> | <p>AL134806, AW408278, AW382759, AA315582, N43819, AW393044, AA310712, AA321625, N26436, AW393061, AA089543, AA740922, AW364275, AW402662, AA281391, AI540961, AI271339, D25278</p> |

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| 1689 | HKDBC15 | 876991 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 315 of SEQ ID NO:1688, b is an integer of 15 to 329, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1688, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1259 of SEQ ID NO:1689, b is an integer of 15 to 1273, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1689, and where b is greater than or equal to a + 14.</p> | <p>AA883969, AI312584, AW197737, AI337319, W60319, AI476496, AI420953, AI816942, AA917042, AW418714</p> |
| | | | <p>AI862551, AI765006, AI917375, AI972770, AA552639, AI218562, AI768706, W65408, AI350781, AI640306, AA574291, AA468717, AI307307, AA055447, AA514669, AA574359, AA516276, AI658818, AI886513, AW104092, AI056398, AW291148, AW026517, AI537287, AI493566, AI420453, AI962537, AA468798, AA477076, AA055446, W61322, AI669652</p> | |
| 1690 | HSIGM23 | 876992 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1006 of SEQ ID NO:1690, b is an integer of 15 to 1020, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1690, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1006 of SEQ ID NO:1690, b is an integer of 15 to 1020, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1690, and where b is greater than or equal to a + 14.</p> | <p>AA504588, AI138384, R78587, R64412, AA236105, AI367325, R26008, H25950, AI359774, AI222758, AI285942, AI499688, AW072370, AI042411, AA928406, AI817207, AI130765, AW016387, AI082279, AI073537, R78588, R63806, AA405549</p> |
| 1691 | HCQBN43 | 876993 | <p>Preferably excluded from the present invention are one or more</p> | <p>AI688703, AI761358, AI813766, AW182487, AI829360, AI380125, AI890417, AW377304,</p> |

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| 1692 | HCQB003 | 876994 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1622 of SEQ ID NO:1691, b is an integer of 15 to 1636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1691, and where b is greater than or equal to a + 14.</p> | <p>AI934593, AW377372, AW377334, AW377268, AW375342, AW377315, AI357827, AW377285, AW377266, AA305061, AI559533, AW377387, AW377252, AW377383, AW377255, AI283201, AI286089, AW377339, AW377240, AW377223, AA515982, AI343596, AI475146, AW193361, AW377246, AA579699, AI289618, AW351695, AA503064, AW377220, AI803822, N49117, AW375369, AW351685, T29359, AW377256, AW375332, N48341, AC000061, AR016032, I11500, I66544, M55131, M76128, A83151, U20418, A49045, AF162427, I66545, AF016950, AF162400, AF013753</p> |
| 1693 | HCQCF85 | 876997 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 821 of SEQ ID NO:1692, b is an integer of 15 to 835, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1692, and where b is greater than or equal to a + 14.</p> | <p>AW359811, AW014155, AI334392, AA664276, AA608594, AA984631, AI954111, AA410972, AA586953, AW194426, AI445882, AI420061, R11024, AA911063, AI335787, AI623204, AA419568, R11072, AA864381</p> |

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| 1694 | HUVFS16 | 876998 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1259 of SEQ ID NO:1694, b is an integer of 15 to 1273, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1694, and where b is greater than or equal to a + 14.</p> | <p>AA443167, AL046148, AA243821, AA492497, AA243686, AA405113, AI351901, AA463466, AA011361, AL043877, AB020669, AF054828, AF068920, AF068921</p> |
| 1695 | HCQBD51 | 877000 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 786 of SEQ ID NO:1695, b is an integer of 15 to 800, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1695, and where b is greater than or equal to a + 14.</p> | <p>AI635096, AA165632, AA523697, AW166525, AA769127, AW129960, AI686907, AI768699, AW136550, AI915606, AW188763, H79957, AI540313, AI769970, AA719353, AW151462, AW418915, AA829144, AA165668, AW182418, AW102605, AA757716, C16515, AA907061, AA860897, AI217462, AI217382, AI239881, AA703100, AA577904, R21911, AI637789, N87490, N42130, AI764980, AI936236, AI141067, AA649747, AA642829, R69594, AA528274, AA922380, AC006047, AP000509, AC004185, D84394, AL080317, AC005406, Z97876, AC009542, AC009330, AF058907, AF196971, Z98750, AC011604, AL030998, Z83820, AC004707, AC004617, AC004691, AC007319, Z97054, AC005908, AC003983, AL023280, AL031073, M74509, AC010209, AF026254, AF026248, AF026249, AC003678, AC003689, AC002094, U77841, AC004772, AL022147, AC004924, AC003093, AC004985, AC005574, AC003082, AL049697, AR036572, U91328, AC007206, AP000083, AC006023, AC002536, Z83839, AP000689, AC002059, AJ239329, AP000688, AB003151, Z98257, AC006017, AC005632, AC003087, AC006335, AC007317, AC022517, Z97198, AC000385</p> |
| 1696 | HCRMU18 | 877001 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA486568, AI733856, AA077667, AI090377, AA831426, AI336771, AA493546, AA670392,</p> |

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| | | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 504 of SEQ ID NO:1696, b is an integer of 15 to 518, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1696, and where b is greater than or equal to a + 14.</p> | <p>AI816058, AC005914, AL035681, AL050307, AC009516, Z83826, AC005015, AC007041, AC004706, AC005484, AC004819, AC007536, AL121825, AF067844, AP000512, AC004962, AC007685, AF109907, AC005412, AC009247, AC005274, AF027390, AC002477, AC006487, AC006011, AL022318, U62293, AC005730, AC005069, U22376, AC005800, AL139054, AC007216, AC004150, AC000353, Z95114, AC005754, AL049569, AL049766, AC005013, AC005081, AB023049, AC006581, AP000558, AP000045, AL080243, AC009248, AC005071, AC004686, AL109628, AC007073, AC005971, AL035461, AL022721, AC005164, AL096791, AC005057, D84394, AL121658, AC006251, AC009721, AC003663, AC007371, AL049869, AL031432, L44140, Z98950, AC005520, AP000031, Z98946, AL022238, AC006511, AP000557, AC004668, AL031666, AF207550, AC005488, AC005358, AL117694, AC019014, AL121603, AL021940, AC007226, AC005632, AC005670, AC005529, AC006006, AC008115, AC002300, AL035086, AC005200, AC004491, AL023807, AF200465, AP000116, AC007676, AC004149, AF129756, AC007899, AC005740, AC006961, AC004913, AC005088</p> |
| 1697 | HONAN63 | 877002 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 530 of SEQ ID NO:1697, b is an integer of 15 to 544, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1697, and where b is greater than or equal to a + 14.</p> | <p>AA305628, AA308609, AA300521, AA356487, AA363124, AB020712</p> |

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| 1698 | HCQCU65 | 877004 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 518 of SEQ ID NO:1698, b is an integer of 15 to 532, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1698, and where b is greater than or equal to a + 14.</p> | <p>H73991, AI770045, AI866911, N24909, AA418453, N20611, AC006153</p> |
| 1699 | HCRNO79 | 877005 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 175 of SEQ ID NO:1699, b is an integer of 15 to 189, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1699, and where b is greater than or equal to a + 14.</p> | <p>AA987568, AL035420</p> |
| 1700 | HCRMO22 | 877006 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 624 of SEQ ID NO:1700, b is an integer of 15 to 638, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1700, and where b is greater than or equal to a + 14.</p> | <p>AB028946</p> |

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| 1701 | HFDME46 | 877007 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 681 of SEQ ID NO:1701, b is an integer of 15 to 695, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1701, and where b is greater than or equal to a + 14.</p> | <p>AA074619, AW375400, AW389301, AI909808, AW389291, AB014603</p> |
| 1702 | HCWHN82 | 877008 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 531 of SEQ ID NO:1702, b is an integer of 15 to 545, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1702, and where b is greater than or equal to a + 14.</p> | <p>AI283018, AW451644, AA889452, AI369736, AA971331, AI811185, AA991486, AI46655, AI888354, AA319058, AW388636, AI569358, AA877264, AI473558, F35033, C17917, AI952676, AI752007, AI860674, AW378122, AI687473, AW364312, AI209004, AI476109, AI46124, AW084219, AI567637, AW168485, AI805638, AW189268, AI244380, AI564515, AW088903, AI866002, AI678021, AW088899, AI701975, AI359590, AI696819, AI817543, AI365256, AI358042, AI610645, AI682075, AW409775, AI587288, AI886532, AW044626, AI697324, AI687362, AI499263, AW151729, AI280661, AI537617, AI611743, AI612759, AI570966, AI915243, AI633419, AI537991, AA603709, AI288285, AI866082, AW089179, AI690924, AI952302, AW085786, AI569309, AW023338, AI799199, AI569328, AI677797, AI249877, AI890057, AI471361, AI648408, AI539153, AI619716, AI867042, AI566630, AW265004, AI472536, AI919345, AW130863, AW168795, AI366549, AI636719, AI866741, AW002174, AA807088, AW118518, AI829327, AI805688, AW083804, AI696626, AI249946, AI589993,</p> |

AI400725, AI432790, AI863014, AI932794,
AW151681, AL031228, D84401, E12645, AF117221,
D82060, AL117578, AL137556, AL133014, AL18777,
AL080074, AL122098, AL137558, AF012536, I48978,
A08916, I89947, AL080137, A08913, I89931,
A08912, A08910, E03348, I49625, E03349, A08909,
U42031, AL050138, S77771, AR038854, AL133645,
A08908, AL137300, X80340, X93495, AF067790,
AF119337, AF000145, I26207, D83989, U67958,
Y08769, AL122045, I66342, AF106657, AL133010,
U88966, AL080124, AF162270, AL137292, AL122111,
L30117, AL080127, AL137705, AB019565, AF017437,
AF065135, AF210052, AF205861, AF185576, I89934,
I89944, AF113689, E02253, AR059958, U96683,
X79812, AL137640, S68736, U80742, AI2297,
X96540, A77033, A77035, S76508, AR000496,
D89079, U39656, I42402, E15569, AF032666,
AL137463, AL080060, AL137429, AL133067,
AR038969, AF132676, AF061836, AL137538,
AF090886, AL137712, AL137527, E02221, AF111112,
AL137526, X00861, I09360, AL133093, X87582,
E05822, AF215669, AL122106, X84990, AF017152,
AL133665, AF125949, A45787, AL133077, AL137658,
AF030513, AL137294, AF113691, AL110280, A18788,
A93016, AF078844, AF118070, A93350, Y14314,
AL080140, S79832, AF022363, AL122121, U72620,
X72889, A65341, J05032, AL133016, AL137273,
AL117432, AF104032, I48979, AF003737, X72387,
E04233, AL110221, AL117440, AL122118, AL049465,
AL137476, AL050277, AL133104, AF114170, A65340,
AL133558, Y11587, U00763, X62580, AL049382,
AL137574, U78525, AF090901, AL133072, AF113013,
AF008439, X81464, I41145, S61953, A21103,
A08911, AL080086, AF113019, AL049460, E15582,
AF028823, AF100931, AL122049, L19437, Y16645,
AF118064, AL137478, AL122050, AL080159,

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| 1703 | HHPEK59 | 877009 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1606 of SEQ ID NO:1703, b is an integer of 15 to 1620, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1703, and where b is greater than or equal to a + 14.</p> | <p>AL133640, AL133098, X52128, AF159615, I17544, AL133557, AB007812, AL080158, X92070, U87620, S69510, AL133075, AF061795, AF151685, AF113676, AL096744, AJ003118, AF158248, U49434, AF061981, AL133568, AF146568, AL080148, AL133113, AL133565, E01614, E13364, AF106862, AF081197, AF081195, X53587, AC002467, X82434, A08907, AR019470, I33392, Z82022, AF176651, AF183393, AF153205, AF106697, A52563, AF139986, A08915, AF057300, AF057299, AL137283, AL117585, Y10080, AR068751, S75997, AR029490, Z72491, AL133081, AL049452, AL117460, L31396, I80064, AL137521, L31397, S78214, M92439, A15345, AL049464, AL117648, AF090934, AF118094, AL137557, U95114, AL110196, AL049466, AF118090, AL049314, AL080154, I03321, U58996, E06743, A90832</p> |
| 1703 | HHPEK59 | 877009 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1606 of SEQ ID NO:1703, b is an integer of 15 to 1620, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1703, and where b is greater than or equal to a + 14.</p> | <p>AA149062, W55857, AI654104, N91520, AA398769, AL041623, AA149063, AA307763, AW450873, AI082461, AA709060, W06955, AI079909, AI920841, AA292830, AI268616, AA191706, AA010085, R07052, Z44437, T87013, T12757, Z40368, AA844584, AI955471, W55858, AW135814, T52489, N48933, T56321, N46430, AA864954, AI274165, AF027218, AF027219, AF155101</p> |
| 1704 | HKCTB07 | 877010 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 391 of SEQ ID NO:1704, b is an integer of 15 to 405, where both a and b</p> | <p>AF105020</p> |

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| 1705 | HFPIZ22 | 877011 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1704, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1578 of SEQ ID NO:1705, b is an integer of 15 to 1592, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1705, and where b is greater than or equal to a + 14.</p> | <p>AI458123, AA770557, AW299665, AW236534, AI952929, AI340145, AI339835, AI650682, AI472033, AA256229, AI268229, AA678840, AW190757, AI075831, AI631649, AL138340, AW080424, AA293773, AI373728, AA704702, AA677322, AI033016, AW204318, AA848089, AI891160, AA399568, AA227660, AI001981, N24286, AA747722, AI537348, AW025794, AA218733, AI865908, H98718, H64686, R38180, R17022, N70123, AI493281, AW007482, H70397, AW134908, AA334373, W04161, R09968, AA394090, R16715, T77116, W01375, AI690748, AW169604, AI624293, AI267162, AI245731, AI273189, AI627988, AI698391, AI368579, AI969655, AW149925, AL046835, AI690687, AI524654, AI289310, AI868204, AW051088, AI869377, AI678446, AI613038, AI590043, AI469587, AA464646, AI589428, AI590830, AI863382, AI677797, AI621341, AW149076, AI536574, AI538850, AI921254, AI927233, AI568592, AI590423, AW020397, AI583982, AI950892, AL045266, AI335208, AI491775, AI865906, AI612913, AI888208, AI670009, AI433157, AI702073, AI890507, AI682968, AI401697, AI538564, AI445611, AI679266, AI913312, AI686576, AL037454, AI627893, AI586931, AI872545, AL037582, AL037602, AI815232, AI281757, AA766116, AI537677, AI434731, AI635634, AI648454, AI634467, AL036802, AI540674, AL039086, AL036673, AI471282, AW162194, AI582932, AW148423, AI923989, AI583578, AI866770, AL120300, AI890907, AI370623,</p> |
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| | AI633009, AI251221, AI590020, AL042944, AI884318, AI933992, AI570056, AI699823, AI523806, AI571439, AL046595, AI553645, AI287449, AW020419, AI865900, AI435253, AA420722, AI263312, AI536601, AW169671, AI349772, AI225023, AI473208, AI632408, AI355277, AL045413, R36271, AA502794, AI439745, AW163834, AI270295, AW023338, AI340603, AI801793, AW075382, AI570861, AL040241, AI610402, AI635016, AI440399, AL046944, AI312428, AI828412, AL046466, AI909641, AI623662, AI859991, AI142101, AI345688, AI912434, AI500061, AW102798, AI686817, AA572758, AA641818, AI249389, AI826331, AI633125, AL042981, AL134259, AI561356, AL079963, AI915291, AW152182, AW166870, N33175, AI565172, AI540676, AI800433, AI888501, AL121365, AI889189, R32821, AI345745, AI538885, AI539560, AI612750, AI440239, AL040011, AI479292, AI866469, AI818574, AL036396, AI500714, AI340519, AI432644, AW193894, AI469532, AI872423, AI638644, AL119828, AI623941, AI699020, AW302988, AI524179, AW193635, AI521560, W46378, AW168788, W74529, AI741158, AI686808, AL048323, AI802542, AW161579, AL119748, AI559752, AL048340, AI500514, AI918435, AW238688, AI241741, AW089272, AI684244, AI358701, AI306610, AI590227, AF007128, AC005182, AL035458, AC006336, AJ001388, AF032666, AF097996, I48978, A65341, AL122110, AJ005690, I89947, AF140224, AL122093, L31396, AJ012755, L31397, I48979, AL117587, AF047716, AL137558, S78214, AR038854, A07588, A77033, A77035, AL050108, AL050138, AF199027, AL117435, A08916, A08910, AL035407, AF200464, U72620, AL133557, AP000208, AF017437, |
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Y16645, L40363, AL049423, AP000247, AL080148,
AL049452, A08909, A08913, S68736, A15345,
AL122050, AL050278, AC007114, AF067728, E03671,
AL049382, AL117460, I66342, Z97214, AF113699,
AL096744, AL133565, AF104032, AF091084, X67813,
AL049300, A65340, AL137478, S79832, AL078630,
AL133067, AL133640, AL137459, AF090903,
AF177401, AL133560, U67958, AL080159, AF022363,
AL133113, AL110280, U42766, AL049283, AF109906,
AL110225, AR034821, X96540, AL136884, AL137530,
X89102, AL117416, AL050149, AF061981, M92439,
A58524, A58523, E02349, Y09972, A08912,
AF090896, AL137294, AL050393, A18777, I89931,
Y11254, AJ000937, AL110221, AL117457, AL050116,
AL049339, AF158248, AF090901, A03736, AF115410,
AR011880, AL133637, X79812, AL050024, Z13966,
AF061795, AF151685, AL137533, AL137550,
AF061573, AL137292, S76508, S61953, I49625,
AF113690, A57389, AL133080, AF087943, AF079763,
AL122098, AL133075, E01614, E13364, AL137271,
AL137480, AF102578, AF026816, AL050277, A08908,
AF118070, U58996, Z82022, AF100931, Y10823,
AL137557, D89079, AJ238278, E07108, AF090900,
I32738, AL133665, U88966, AP000130, I89944,
AR020905, AF113694, AF113677, S63521, AF118064,
AL049938, I33392, AF183393, AL080162, AL023657,
AL117394, AL080126, AL133619, A21103, X82434,
S36676, A93350, Y14314, AF057300, AF057299,
AC006112, I89934, AF090934, Y11587, AF106827,
X84990, AF081197, AF081195, AF118094, AL133016,
AL050155, U35846, AL137479, AL080124, U75932,
AB019565, S75997, AF113019, AL110196, AF107847,
X70685, AF115392, AF125948, AF125949, A45787,
AL080140, AL050146, AL133031, U78525, AF079765,
AF106862, X98834, D83032, AF126247, AF082526,
A76335

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| 1706 | HE8FB89 | 877012 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1428 of SEQ ID NO:1706, b is an integer of 15 to 1442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1706, and where b is greater than or equal to a + 14.</p> | <p>AI797081, AI669186, AI922708, AI400881, AA156853, AA062971, AW027338, AA431360, AI091639, AI627975, AI358574, AI202381, AA255522, AW086138, AA890259, AA806628, AA255565, AI367251, AA088310, AA765366, D63210, AI796381, H48099, H48098, AA720634, AL079437, AI758780, AI911927, AW022560, AA256707, AA737329, AA255588, AA877667, AA455364, AA813874</p> |
| 1707 | HCRND67 | 877013 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 794 of SEQ ID NO:1707, b is an integer of 15 to 808, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1707, and where b is greater than or equal to a + 14.</p> | <p>AA648907, AW001743, N40531, AI978754, AI446119, AI949312, AA252030, AA521447, AW024768, AI039260, AI962419, AI935656, AI416968, AI361764, AA860961, AI127900, AI936802, AI761487, AI580311, AI917267, AW024010, AI189597, AI864624, AA131263, AI351462, AI422420, AA904280, AI636058, AA931114, AA648498, AI767707, AW262532, AA191430, AI312828, AA860568, N46577, AA804488, AI680207, AA628794, N45139, AI694810, AA574232, AI522273, AI362932, N46583, AA364681, H91961, N40538, W22178, H99173, W22807, AA829581, AL046944, R79750, AC005325</p> |
| 1708 | HSPA101 | 877014 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1041 of SEQ ID NO:1708, b is an integer of 15 to 1055, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1708, and where b is greater</p> | <p>AI378753, N35689, AW207088, AW151846, W49562, AI457284, N35406, W49563, AA334557, R58493, H24416, AI678442, AI791556, AA242954, R30676, AW022665, R47185, AL031652, L41349, L13935, L13936, L13937, L13938, AL117633, L15556, L18962, AF027571, AF031370, U57836</p> |

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| 1709 | HOSXA83 | 877015 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1030 of SEQ ID NO:1709, b is an integer of 15 to 1044, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1709, and where b is greater than or equal to $a + 14$.</p> | AA100220, AI167817, AA113216, AA324768, AA085997, AA149087, AI493421, AA629345, AA625949, AA149086, AA669959, AA431870, AI866312, Z28464, AA172371, AW173386, AI183937, AA431871, AA262957, AL036908, AI271960, AA085643 |
| 1710 | HAVTF85 | 877018 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 881 of SEQ ID NO:1710, b is an integer of 15 to 895, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1710, and where b is greater than or equal to $a + 14$.</p> | AL037339, AA811927, AI720889, AA926797, AL039480, AA442561, AA858311, AI566218, AA846839, AI583216, AI635043, AA699924, AI192601, W69310, AI262270, AA526986, AI304664, AI310345, W69206, AI147372, AA973817, AI431515, AI818856, AI033497, AA983644, AW129307, AW01244, AA926804, AA630163, AI289870, AI061307, AA554361, AI566853, AI262295, AA031671, AI092076, AI280857, W73760, AW074354, AI924486, AI367351, AA304674, N75814, AA678529, AA130266, AA808417, W68377, N50405, AA831659, AA907418, N50457, T89689, N75514, AI244342, AI445788, AA365398, R55802, AA853796, AI632051, AA291486, R28626, W68336, H29812, R52537, R42369, H02369, F02630, AI686839, AA188995, F03753, AW236685, F04385, W73593, AA728837, C02595, AA653337, AA883260, R43407, T29673, AI471055, AA190445, AI567050, AA031670, AI246665, AI658622, R33489, AI932403, AL041862, AI452556, AI923989, AW188793, AL042745, AW071349, AL046356, AI554245, AL119748, AL079977, AI815232, AL046926, AL040243, AI434223, AL047675, AI866573, AL042628, |

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| | AI933785, AI433976, AL045500, AI433157, AL042744, AW151136, AL047092, AI539771, AI500523, AI538716, AI537677, AI500659, AI554821, AI801325, AI582932, AI284517, AI500706, AI445237, AI491776, AW151138, AI521560, AI889189, AI500662, AI284509, AI889168, AI633493, AI434256, AI888661, AI284513, AI569579, AI888118, AI440252, AW129106, AL042787, AL045266, AL042551, AI432666, AW150578, AI800453, AW132001, AW071417, AI620284, AI800433, AL042627, AI866510, AL045620, AI826225, AI805769, AI275175, AW020693, AI537515, AW301505, AL049085, AI499463, AI610362, AI491852, AI889148, AI889147, AI432656, AI812015, AW082113, AI440239, AL042538, AI627893, AI538342, AL045891, AL045774, AI269862, -AW196105, AI251221, AW268122, AI436429, AI537273, AI436456, AW081255, AW080379, AI963846, AI520702, AI567940, AI817244, AL039276, AI612913, AI805385, AI811785, AI494201, AI285826, AI863014, AI521594, AI499512, AI815855, AI636372, AI889133, AW005858, AI630252, AI567993, AL047422, AW088899, AI133559, AL045163, AL037454, AI344928, N80094, AI610429, AW162071, AI539632, AI564765, AI610402, AI539847, AL079963, AI567935, AI349772, AI364788, AL041150, AI698401, AW079572, AW161579, AI539028, AL036638, AA225339, AW083804, AI049851, AW169671, AI686906, AI866608, AI537617, AL036736, AI284131, AL036802, AI783504, AW190042, AI648663, AL121286, AW073994, AI889953, AI345608, AL048377, AI680162, AI862144, AL040097, AI567360, AA572758, AW088134, AI539153, AI698391, AI612885, |
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| | AI539238, I48979, AL110225, AL122049, I48978, AL122098, I89947, AL133072, AL117460, U42766, AL133016, A12297, AL137271, A08916, AL122050, A08913, A08910, A08909, AF078844, I33392, AF111851, AL110221, AF118064, AL050024, AF067728, AL049283, AL133080, I89931, AL050277, AF017152, S68736, AF146568, AL050138, I49625, AF177401, I03321, AL049430, AL117585, AF090896, AL122093, AL122110, Y11587, AF113689, AL137557, AL137560, AF113013, AL122123, AF113694, AL133560, AB019565, U91329, Y11254, AL133640, AL117457, AL133077, AL080124, AL133606, AF113677, AL137550, AL137459, E07108, AL050108, X82434, E03348, AL049938, U80742, Y16645, AJ000937, AL049314, S78214, AL133075, AL096744, AL117435, AL133565, AF079765, U00763, E07361, AF113690, AF090943, AF118070, AF113699, AL137648, AF113691, AL133557, AL050116, AF125949, AL137527, AF106862, X98834, AF113019, A93016, AF090934, AF158248, AL122121, AF091084, AL117583, AF183393, AL133568, AL117394, AL133113, I26207, U35846, AF118094, X84990, AL080127, AL050393, X63574, AJ012755, X96540, AL133104, AF097996, AF090903, AF113676, AF090901, U72620, AL080060, X72889, AL133093, AJ242859, AR059958, AL137538, AJ238278, I00734, AF125948, AL080137, AF104032, AL049466, AF017437, AL049452, AL110196, A77033, A77035, X70685, E02349, E15569, A93350, AF090900, E00617, E00717, E00778, AL050146, AL137463, A65341, AF087943, AL049382, I42402, Z82022, AF026124, AL133014, X65873, A03736, AL137521, A58524, A58523, AL050149, AF111112, AR011880, I09360, AL050172, AL049464, L31396, L31397, AF061943, X93495, A08912, AL137476, AL049300, U67958, AF119337, AL137283, AL080159, AL110197, |
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| 1711 | HTEPI45 | 877019 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1600 of SEQ ID NO:1711, b is an integer of 15 to 1614, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1711, and where b is greater than or equal to a + 14.</p> | AL137533, I09499, AF026816, AR038969, AL137526, AR000496, U39656, L13616, E08263, E08264, S61953, A90832, Y09972, U49908, AF003737, E04233, Y14314, AL110280, AL137556, AF153205, AF185576, AL137523, A07647, AF057300, AF008439, AF057299, A45787, AL080148, AJ006417, AR038854, AL133067, U58996, E02221, AL137480, Z72491, AL080074, X53587, E05822, AL133098, AF079763, E08631, AF061573, AF162270, L30117, M30514, AL117440, AL137273, Y07905, AL137292, AL137478, I17767, U96683, X83508, AL023657, AF111849, U68387, AR013797, X87582, AF106827, AL137294, AL133049, AL117432, I41145, X62580, AL133081, L05186, E12747, AL050092, AL110222, AR020905, AF132676, AF061836, X52128, U78525, AL137488 AW135340, AI908516, AW003833, AI692953, AI693316, AW242982, AI194008, AI672260, AI497695, AW242975, N63914, AW242988, AI341520, AI972371, AI373504, AA705554, AI633950, AI276537, AA699365, AI989919, AW204605, H11413, W00441, AA279329, AI656862, AI961706, AA455604, F28946, AI678125, W20411, N98286, H08430, AA455968, W32633, AA528280, AI702940, H85245, T95059, H08429, F13395, T81953, F37163, AA215977, AA301556, T95155, F11101, T77655, H11389, AA279895, AW196491, AI915713, N80005, AA806720, AI802542, AI624279, AW198090, AI584140, AI890223, AI612913, AI648509, AI439717, AI572676, AI702406, AI497733, AW104724, AI886124, AL121328, AI254731, AI224027, AW087445, AW168795, AI934011, AI539687, AI537677, AW262565, AI569616, AI801766, AI610402, AW071349, AI811344, AI520785, AI680498, AI591316, AI554818, AI468872, AA225339, AI269205, AI566670, AI824746, AL079963, AI433976, AI269862, |
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| | AL042628, AI636588, AI619502, AW129659, AI554427, AW132056, AI567846, AI440239, AL119863, AL040243, AI491852, AI539771, AI500077, AI637584, AI364788, AI249257, AI559296, AI859511, AI873604, AI701074, AI890833, AI926790, AW170635, AI564719, AL045266, AL134830, AI677796, AW130776, AI569583, AW026882, AI538085, AW149311, AI433157, AI702073, AI284484, AI273048, AI934036, AI679990, AI868831, AI950664, AI475371, AI571909, AI247193, AI498067, AI280747, AW023590, AW088903, AI633419, AI280751, AI540832, AL045500, AL041150, AW193000, AI587143, AI270055, AW090013, AI627360, AI318280, AI633125, AW150578, AI673785, AI439745, AI536638, AI590120, AI274508, AW302988, AI863014, AL036361, AI275175, AW051258, AI282504, AI362637, AI537024, AI610362, AI274013, AI590118, AI815855, AL046944, AI648663, AI620284, AI568296, AI281837, AI475451, AW081036, AI922901, AL043981, AI434223, AI097248, AI702068, AI269696, AW301409, AI866608, AI254042, AI284517, AI475394, AI862139, AI687362, AI917055, AI500659, AI539808, AW169653, AI476109, AL047763, AI590021, AI801325, AI500523, AA807352, AI624206, AL121270, AI270707, AA470491, AI857296, AI500706, AL039276, AW169671, AI801152, AI536685, AI491776, AI445237, AI349004, AW151138, AI696612, AI828731, AI570989, AI500662, AW274192, AI564247, AL110402, AI499285, AL041573, AI889376, AI784252, AW268220, AL043326, AI524671, AW008048, AI921248, AI554344, AI955917, AI570909, AI648454, AI572787, AI445025, AI433037, |
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AL121463, AI884469, AI648684, AI612759,
AI560099, AI064830, AA835801, AL043975,
AI469532, AI500146, AI680165, AI573032,
AI872711, AW148716, AF013168, D87683, AC002096,
I89947, Y16645, AL122050, AL137550, I48979,
AL133557, I48978, AL110221, AF090943, AF017437,
AF111851, AL050393, AL117460, AL117435,
AF090934, A08916, AL122123, Y11254, AL137459,
X84990, A08913, AL049382, AF090900, AF090903,
AF118070, AL133075, AF113677, AL080124,
AF158248, AF113019, A65341, S68736, AL137527,
I89931, AL117457, I49625, AL050138, AF113694,
U42766, AF113690, AL133080, AL117585, AL050149,
AF090901, A77033, A77035, AL049452, AL122093,
X82434, AL137557, AL050116, AF146568, AF104032,
S78214, AL110196, AJ000937, AF079765, AL049314,
AF017152, AL096744, AL133016, AF078844,
AL133606, E07361, AL133640, E02349, AF113676,
AL080137, Z82022, AF125949, AF090896, X63574,
Y11587, AF113013, L31396, L31397, AF091084,
AF106862, AL050277, A08910, AF177401, AL122121,
E03348, AF183393, AF125948, AL050108, AF118064,
AF113691, AL049466, A93016, AL133560, AJ238278,
AL050146, AL110225, AL137283, AF113699,
AL117394, AL080060, AB019565, AL133565,
AL049464, AF113689, AL133093, AR059958,
AR011880, AJ242859, AL049300, AF097996, E07108,
AL049938, AL117583, U91329, AF118094, X93495,
A58524, A58523, I33392, A08909, AL122098,
AL133113, AL050024, AL049430, AL122110, U00763,
AL137271, AL137538, X70685, AL137648, I03321,
X72889, AL137463, A08912, AL080127, AL2297,
U35846, AJ012755, U80742, AF000145, X96540,
U72620, A03736, X65873, AF061943, AF067728,
AF119337, AL049283, AL080159, AL133014, X98834,
AF087943, AL133568, AL133072, AF111112,

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| 1712 | HOSBX95 | 877020 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 516 of SEQ ID NO:1712, b is an integer of 15 to 530, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1712, and where b is greater than or equal to a + 14.</p> | <p>AL122049, AL137521, I09360, AR000496, U39656, I42402, E08263, E08264, AL122111, AL133067, U67958, AL110197, E15569, A93350, AL137533, AL137523, AF057300, AF057299, AF026124, AF153205, U58996, AF079763, AL133077, E05822, AL137560, AL137480, AR013797, Y09972, AF026816, I26207, AL050172, S61953, AL137556, AL137526, I00734, E00617, E00717, E00778, U68387, E02221, I66342, A08911, Z37987, AC006371, Y14314, AR038969, A07647, AL110280, AL137429, AL080074, Z72491, AL137292, AL137476, Y10655, AF003737, U78525, AL080148, U96683, AL133104, AF100931, E06743, AF106827, AF159615, AF185576, X87582, I17767, A45787, AF061981, AL133558, AF111849, AL137488, AF162270, E08631, AL122118, Y07905, AF061573, AL133665, M30514, AL117440, AR038854, AC005992, AL122045, AF095901, AJ006417, E04233, AF118090, AL133098, AF081197, AR054984, AL133081, I09499, AL110222, L30117</p> |
| 1713 | HSIFP30 | 877022 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a</p> | <p>AW393918, N56766</p> |

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| 1714 | HE9HL05 | 877023 | <p>is any integer between 1 to 714 of SEQ ID NO:1713, b is an integer of 15 to 728, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1713, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1581 of SEQ ID NO:1714, b is an integer of 15 to 1595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1714, and where b is greater than or equal to a + 14.</p> | <p>AI114634, AI310154, N48237, AI040784, R96774, R91077, AA333785, AA334375, T82801, AA678184, T95816, AI678780, T96750, R91078, AA344220, R09895, T74622, T68354, N49552, AA332963, AI023306, T71511, T95519, R92515, T60367, AI791396, AW172723, AI815239, AI362332, AI249946, AA665587, AW078729, AI805769, AW265004, H42825, AI669639, AI608802, AW074274, AI702540, AI499104, AI758816, AW263799, AI886163, AI476147, AI677797, AW026633, AI816956, AI677647, AI911645, AI961622, AI250175, AA614660, AI244380, AI446124, AI492528, AI869750, AI921609, AI699154, AI270039, AI040725, AA810969, AW189003, AW087898, AI446564, AI419311, AI612723, AI627390, AI364220, AI572418, AW410769, AI628855, AI446110, AI872810, AI471424, AW150505, AI570195, AW150351, AW118457, AI694855, AI419417, AI369029, AI474427, AI568870, AW079656, AA088789, AI521128, AW168031, AI660848, AA910956, AI701948, AI589433, AI805385, AI591381, AI333552, AW263697, AI679622, AI683465, AI610645, AI952302, AI625231, AI696626, AI890714, AI347569, AI671638, AI560514, AW193020, AF209389, J04813, M18907, X12387, M14096, E02555, D31921, D00408, E02532, J04449, S53047, X90579, M13785, AF182273, L26985, X54915, U59378, AF109068, Y10214, M73992, Y11995,</p> |
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| 1715 | HWLMB91 | 877024 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 577 of SEQ ID NO:1715, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1715, and where b is greater than or equal to a + 14.</p> | <p>AF204959, AF185589, D111131, S74699, S74700, L35912, I12087, AF067420, A94751, U77594, AL137561, AC004455, AF109906, U92068, A69673, A69681, U89906, AF106934, AF059612, AL133645, AR068182, AL137659, AC005284, AC007370</p> <p>AI188270, AI742085, AI167453, AW204725, R53616, R48325, AA347732, AW341017, AA579588, F35057, AA768452</p> |
| 1716 | HOVEE11 | 877025 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1960 of SEQ ID NO:1716, b is an integer of 15 to 1974, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1716, and where b is greater than or equal to a + 14.</p> | <p>AI762892, AI760766, AI174624, AW081757, AI824008, W94214, AI189223, AA447177, AI927354, AA443809, AI307319, AI299589, AI372949, N30895, W81043, AI934550, AA605197, AW390982, AI168782, W81079, N56763, AW374587, W72920, AI538814, AW079505, AW137328, AA629096, AI699821, AI767317</p> |
| 1717 | HCYBN69 | 877026 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 545 of SEQ ID NO:1717, b is an integer of</p> | <p>AA127756, AA769607, AA305740, AW403303, AA361909, D81026, D81030, C14389, D80522, C15076, D80133, D80166, D80193, D80212, D59502, D80195, D80022, D80164, AW377671, D80391, C14331, D59787, D59619, D80038, D80210, D80196, D58283, D80269, D80240, D59467, D59275, D59859, D80227, D59927, D80219, D51423, D51799, D80253,</p> |

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| <p>15 to 559, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1717, and where b is greater than or equal to a + 14.</p> | <p>D80366, D80043, D57483, D80188, D50979, D80045, D80248, D80378, D59889, D80024, D80258, AA305409, D59610, D50995, C14429, D59627, D80251, D80241, D80268, AA305578, D51060, D59373, D51022, C06015, AA514188, C75259, AW177440, D80014, D80439, D80302, C14014, AW360811, AW178893, AA514186, D80247, T03269, D80132, AW375405, T02974, D80157, AW179328, D51213, D59503, AW178983, AW378532, AW366296, C14227, C14077, AW360844, D58101, AW360817, AW375406, AW377676, D51103, AW378534, AW179332, AW377672, AW177501, AW179023, C05695, AW178905, AW177511, AW137066, AW178906, D80064, D81111, AW178762, D80134, D51250, D51759, AW176467, AW352171, AW352170, D58253, AW360834, AW177731, AW178775, AW178907, AW378528, AW179019, AW179024, AW369651, AW367967, AW352158, AW177505, AW360841, AW352117, AI243347, AW179020, AI239543, AW178909, AW177456, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, F13647, T48593, C14407, D59653, AW179004, AW179012, AW178774, AW378525, AW352163, AI910186, AW352120, AW352174, AA805151, C14298, D45260, D80168, AW179009, AI905856, AW178911, AW378543, AW177722, AW177728, C03092, D58246, AW378540, AW378539, AW367950, AI557751, AI525923, AA809122, H67854, T11417, H67866, AW178781, AW177508, AI557774, T03116, D59695, D59317, D80949, AI525917, Z21582, AI535850, AW178986, AW177497, D45273, D52291, AW177723, C14344, AI535686, D59474, AW179011, D59551, C14973, AA514184, AW378533, AA285331, D51221, T03048, AI525920, AW177734, D60010, D60214, AI525227, D51097, D51079, C14957, C14046, AI525925, AI525242, AI525235, AI525222, AI525912,</p> |
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| 1718 | HWLWN2 4 | 877027 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 820 of SEQ ID NO:1718, b is an integer of 15 to 834, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1718, and where b is greater than or equal to a + 14.</p> | <p>AI525215, AW378542, C13958, C16955, C05763, Z33452, AC005035, AB013385, AL137755, AF096300, AB014587, U88984, A84916, AR018138, AJ132110, A62300, A62298, AF058696, AB028859, AR008278, A82595, A67220, AR060385, AB002449, X67155, Y17188, D26022, A25909, Y12724, D89785, A78862, D34614, A94995, D88547, AR008443, I50126, I50132, I50128, I50133, I82448, X82626, AR016808, AR066488, AR016514, AR060138, A45456, I14842, A26615, AR052274, AR038669, AR025207, Y09669, A43192, A43190, AR066487, A30438, AR054175, D50010, AR066490, Y17187, I18367, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AB012117, D13509, X68127, I79511, A64136, A68321, AR060133, A85396, D88507, AR066482, A44171, A85477, I19525, A86792, X93549, U79457, AF123263, X72378, AR032065, AR008382</p> <p>AI301935, AI760340, AI921888, N30193, AA748734, AI743279, AI284147, AA648777, AW304324, AI916877, AA732729, AA971316, AI218098, AA993916, AA504339, R66801, AA648769, R67901, N40188, R27573, R27672, AI802542, AW403717, AI440239, AI919345, AI612913, AI619502, AI564719, AL048656, AL040243, AW026882, AI433157, AL047763, AI270055, AI499393, AI249497, AI445025, AL045500, AI475371, AI811344, AI539771, AI635942, AI912288, AI934011, AI560099, AW104724, AW071417, AW129659, AI805638, AI521012, AI702433, AW103371, AL119863, AI889376, AI648663, AI868831, AI569583, AW169653, AW150578, AL047042, AI884469, AI637584, AI499131, AI625079, AW082040, AL119791, AI497733, AI635461, AI318280, AI445432, AI340627, AI536685, AI587114, AL043293, AI954183,</p> |
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| | AI687728, AW302988, AI815855, AI524671, AI590021, AI207510, AI539780, AI610645, AI620284, AI818683, AI273142, AW169671, AI687127, AW301409, AI573032, AI687362, AW090013, AI866608, AL036361, AI682971, AI633419, AI921248, AI469532, AI498579, AI866002, AI433976, AI828731, AW166970, AI580190, AI432969, AW102785, AI612759, AL049085, AI696398, AI571909, AI677796, AI799470, AI909697, AL045163, AI636719, AI539153, AA640779, AW238730, AI439745, AI471712, AL121463, AA572758, AI702073, AL036802, AI926790, AI591316, AI952360, AW268220, AI654750, AW020693, AI340603, AI697137, AI537677, AI922901, AI349004, AI312428, AW075667, AI815232, AI269696, AI888501, AI812107, AI800453, AI340582, AI800433, Z99428, AI888953, AI567128, AW075413, AI570781, AI567993, AI349645, AW074869, AI590120, AW149227, AL036274, AI345131, AW087534, AI309401, AW103893, AI561299, AL036403, AW148408, AI343112, AL121014, AI284517, AW071349, AI207572, AL121270, AW301300, AI349598, AL036664, AW075207, AI636456, AI648684, AW151136, AI345735, AI554427, AL036396, AI536638, AI349933, AI250293, AI524526, AL047041, AL038565, AL036980, AI445165, AI348897, AA427700, AW148716, AI702406, AI174394, AL041573, AI313320, AL038605, AI610690, AI500077, AW302992, AW089572, AI609594, AI862144, AI312146, AI312339, AI284131, AI269862, AI366549, AW086113, AI869367, AI520785, AI887396, AI610307, AW268251, AW268253, AI887659, AL036146, AW301505, AI753683, AA835801, AL045266, AL079963, AI434281, |
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| 1719 | HOSOZ37 | 877029 | Preferably excluded from the | AI636585, AI439762, AL036631, AI538716, AI934035, AI799199, AI537303, AI800185, AL041772, AI783504, AL036214, AW149311, AW148320, AW087445, AA470491, AI828682, AI349772, AI224992, AW088903, AA225339, AI909641, AI281773, AL041150, AI690312, AW022682, AI567351, AW074993, AW302965, AI784252, AC006313, I48979, I89947, S68736, AF125948, AF104032, AF090934, U42766, AC006222, AL133640, AF017152, AF090903, AL117457, A08916, AL050149, AF090943, AL117460, AF090901, AF090900, AL050116, I48978, X84990, AL133606, AF118070, AF113013, S78214, A08913, I89931, AL137459, AL122093, AL050277, Z82250, AF078844, AL110221, Y16645, AF118064, AL122050, AF177401, AF113694, AL049452, AL133557, AF113690, AF113019, AF113677, Y11587, AL080137, AL122123, AF113699, AL133016, E03348, AF113689, AL049430, AR059958, AF158248, AF146568, AC006482, AL122121, AL137557, I49625, AL133075, Y11254, AL050108, AL110196, AL049314, AJ000937, AL133080, AF125949, AL050393, AL133565, X63574, AF106862, AL080060, A08910, A93016, AL049938, AL050024, E04233, X70685, AF113691, AL096744, AL133560, AL050146, AL137527, AR011880, AL137283, AJ242859, AL080124, AF090896, AL049382, AF111851, AF113676, AL117394, AB019565, AL049466, AL133093, A65341, AJ238278, U00763, AF091084, I03321, AF097996, AL049464, A08909, X96540, AC006501, L31396, AL110225, L31397, AL122110, AL117583, X72889, E07361, X82434, AL117585, AL133113, X65873, AL137521, AF017437, AL137550, AL050138, AL117435, AF079765, U91329, A58524, A58523, AL049283, E07108, AF087943, E02349 AA452295, AI700341, AA039713, AW274555, |
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| 1720 | HCROD37 | 877030 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 792 of SEQ ID NO:1719, b is an integer of 15 to 806, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1719, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 491 of SEQ ID NO:1720, b is an integer of 15 to 505, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1720, and where b is greater than or equal to a + 14.</p> | <p>AW118151, AI684403, AI040232, AI435785, AW023346, AA039712, AI932286, AI089086, AW021748, AA582100, AW020316, AW300014, AA886794, AI492312, AI492311, AL034350</p> |
| 1721 | H2LAF20 | 877031 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 665 of SEQ ID NO:1721, b is an integer of 15 to 679, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1721, and where b is greater than or equal to a + 14.</p> | <p>AI474074, AA313945, AW382674, AI475856, D81026, D80522, D80166, D59619, D80210, D80240, D80133, C14389, D81030, D80219, D51423, AA305409, D80195, D80212, D59859, AW377671, D51799, D80253, D80164, D80251, D58283, D80022, D80248, D50979, D80193, D80188, C14331, D80391, D59787, D59502, D59467, D59275, D80043, D80227, D59610, D57483, D80366, D80196, D59889, C15076, D80024, D80038, D59927, AA305578, D51060, D80269, D51022, D50995, AA514186, D80241, D80045, D80378, AW177440, C14014, AA514188, C14429, AW178893, AW360811, D59373, T03269, T11417, C75259, AW179328, C14077, AW375405, C05695,</p> |

D80132, AW378532, D80268, AW366296, AW360844, AW360817, AW177501, AW375406, AW177511, D80439, AW378534, D80302, AW179332, AW377672, AW179023, AW178905, D80134, AW178762, D58253, D51250, AW178980, AW178775, AW352171, AW377676, AW352170, AW177731, D80247, AW178907, AW369651, AW179019, AW179024, D59627, D80258, AW352158, AW177505, AW352117, AW178906, AW176467, AW179020, AW360841, C06015, AW178909, AW177456, AW179329, AI910186, AW177733, AW378528, AW178908, AW178754, AW179018, AW352174, F13647, D80157, AW179004, D58246, D58101, AW179012, AI738909, AW178914, D80014, AW378525, D51103, AW367967, D51759, D51213, AW378543, D59503, AW177728, AI905856, AW179009, AW178774, AW178911, AW177722, AW352163, D80064, D59653, Z21582, AW360834, AW178983, D81111, AW178781, T48593, AW378540, D45260, C14227, AW177723, AW352120, T02974, C14975, H67854, H67866, AI535850, AA285331, AW378533, AW367950, D51097, C14298, C03092, AA809122, AW177508, AI525923, C14407, T03116, D51221, AI525917, D80228, AW178986, AW177497, D59317, AI557774, D59474, D45273, C14973, AW177734, AI557751, AI525920, C14344, D50981, AA514184, AI525215, AW378539, AW270229, D60010, C14957, D80168, AI535686, AI525235, D59551, D60214, AI525227, C14046, D80949, AI525912, T03048, D59695, AI525222, AI525242, D52291, AW378542, AI525925, D51079, D51053, C16955, AI535961, C05763, Z33452, H67858, Z30160, AF067806, AF056490, AR008278, A62298, AR018138, A84916, A62300, AJ132110, AF058696, AB028859, X67155, Y17188, D26022, A25909, Y12724, A67220, D89785, A78862, D34614, A82595, D88547, AR060385, A94995, X82626, AR008443, AB002449, AR025207, I50126, I50132,

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| 1722 | HCROD15 | 877032 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 605 of SEQ ID NO:1722, b is an integer of 15 to 619, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1722, and where b is greater than or equal to a + 14.</p> | <p>I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, Y09669, A43192, A43190, AR038669, AR066490, A30438, AR066487, AR016691, AR016690, U46128, AB012117, I18367, I14842, AR054175, D50010, Y17187, X68127, AR008277, AR008281, A63261, A85396, D88507, AR066482, A44171, A85477, AR008408, I19525, A86792, AR062872, A70867, X93549, D13509, A64136, A68321, AR060133, I79511, U79457, AF123263, AR032065, AR008382</p> |
| 1723 | HS2SG18 | 877034 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 838 of SEQ ID NO:1723, b is an integer of 15 to 852, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1723, and where b is greater than or equal to a + 14.</p> | <p>AA307890</p> |
| 1724 | HMCHW1 2 | 877037 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA633529, AA307645, AL137945, R78416, AA143592, AA699829, AA130430, R23973, AA204937, T58303,</p> |

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| | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 683 of SEQ ID NO:1724, b is an integer of 15 to 697, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1724, and where b is greater than or equal to a + 14.</p> | AA205080, AI581369, AA130456, H03662, R77222, C05254, H75671, H70965, AA134504, AI733734, AA133084, AI733757, AA088546, AA553526, AA843823, AW392930, AI522161, AA055592, R66492, R31147, AI820789, AI732411, T92637, H39731, W38856, AI499378, AA151971, AI940502, AA085899, AA224498, AA479719, AA100721, AP000365, M27826, AL050348, AL035419, AC005276, AL121782, AL080316, AC007617, AC010168, AC008069, AC000064, AC002984, AB020874, AC007401, AC007566, AC005150, AC005145, AC007022, AL035067, AC000114, AC007685, AC005549, AC007207, AC006146, AL031767, AC008072, AC002530, AF130342, AL035408, AC002066, AC007681, AC008134, Z92543, AJ133269, AC005386, AL049546, AC004998, D11078, AC004986, AL035698, AC006502, AL031256, AC004823, AC007876, AC005090, AC004514, AC005837, AC003013, AL009031, AC007463, AC009946, AC006364, AC007250, AC005410, AC004875, AL109620, M18048, Z82210, AL139054, AL022068, AL121718, AC007381, AL049872, AF118808, AC005699, AL031671, AL023877, AC005036, AL009050, AC003009, AL034409, AC004925, AC007870, AC004768, AC004456, AL133224, AF146191, AF212831, AC005307, AF053936, Z71183, AC012380, AC007486, AC007537, AC004072, AL133321, AC003078, AC007450, AB020871, AL021327, U80460, AC008062, AC007106, AL021940, AF070717, AL024495, AC004103, AC005234, AC004025, AC004817, Z78021, AF049895, AC006382, Z95327, AL031073, AL117327, AC005392, AC007001, AL035610, AC002384, U95626, AC007785, Z99495, AL109809, AF149773, AF068862, AC005102, AC005154, AL050339, AC004835, AL034452, AC005531, AC005576, AC004915, AL109967, AC004617, AP000230, AP000144, |
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| 1725 | HWLVSS2 | 877043 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 454 of SEQ ID NO:1725, b is an integer of 15 to 468, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1725, and where b is greater than or equal to a + 14.</p> | <p>AL022318, AC004858, AC007276, AF109907, AC004510, AC011604, AC005723, AL079352, AC002326, AL132987, AF011889, AL049544, AP000013, AP000155, AL050325, AC007182, AL035690, AC006582, AC004924, AC007447, Z76735, AC006459, D87055, AC004472, AP000501, AC005002, AF205592, AC005686, AL133371, AF026248, AF026254, AF026249, AL022330, AC004032, AF108842, AF110315, AF108841, AF108843, AC007280, Z83818, AL034350, D10083, AC003007, AC005632, AF064074, AF064073, AC007556, AC004889</p> |
| 1726 | HCRPG56 | 877044 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 468 of SEQ ID NO:1726, b is an integer of 15 to 482, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1726, and where b is greater than or equal to a + 14.</p> | <p>N23653, AI608674, AC006432, AC009533, AC008013</p> |
| 1727 | HTAHC75 | 877046 | <p>Preferably excluded from the</p> | <p>AI916318, AI698170, AI346506, AA481006,</p> |

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| 1728 | HCRPH26 | 877047 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1883 of SEQ ID NO:1727, b is an integer of 15 to 1897, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1727, and where b is greater than or equal to a + 14.</p> | <p>AW006462, AI808371, AI492123, AI860659, AW083792, AI298294, AI377296, AI299866, AI143985, AI832385, T66213, AA315944, AA774467, AA481745, AA745359, N78840, AA744416, AA035644, AW236811, AI693629, AI299645, R54532, AA987358, AA745453, AW136153, AI889513, AI917565, H28998, AI459849, R55684, R99148, AA975345, R45317, H08045, AA992883, AI122963, AA987223, H18288, AI681364, R55685, F09827, H46943, AW418590, R88200, AI745480, H48447, AA744390, Z45158, AW192055, AA972155, R14680, F04052, AA827984, F12197, H26802, T29943, AA295772, R38093, AI290682, AL047550, T07816, AA355247, H07939, H69808, R38173, T85773, R54435, AA508768, AI382544, R20497, AI984917, AW294367, AA090326, H51338, F11088, AA916514, T77104, R42403, N84369, T66146, AI910252, AI127423, AW131840, AA702500, AA300937, AF007155, AA508781</p> |
| 1728 | HCRPH26 | 877047 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1728, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1728, and where b is greater than or equal to a + 14.</p> | <p>AF118076</p> |
| 1729 | HWLWL67 | 877049 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 204 of</p> | <p>AI375746, AI620255, AI739424, AW008095, N64373, AA628778, AI827544, AI246150, AA977500, AA779757, AI216037, AA724806, AI143969, AI740635, AA953515, AA938880, AA421570, AA971965, AA010881, AI352432, AA410372, AW082274, AA129683, AI699673, AI807260,</p> |

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| 1730 | HOSDU39 | 877050 | <p>SEQ ID NO:1729, b is an integer of 15 to 218, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1729, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 566 of SEQ ID NO:1730, b is an integer of 15 to 580, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1730, and where b is greater than or equal to a + 14.</p> | <p>AI375466, AI633645, AA588195, AA670218, AA487274, N64317, AW118102, AA449233, AL133312</p> |
| 1731 | HCROS68 | 877051 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 623 of SEQ ID NO:1731, b is an integer of 15 to 637, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1731, and where b is greater than or equal to a + 14.</p> | <p>AI940522, AC007688</p> |
| 1732 | HWLRT47 | 877052 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of</p> | <p>AA676521</p> |

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| 1733 | HCRPN44 | 877056 | <p>SEQ ID NO:1732, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1732, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1267 of SEQ ID NO:1733, b is an integer of 15 to 1281, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1733, and where b is greater than or equal to a + 14.</p> | <p>AI814630, AI659745, AI337185, AI476215, AW014950, W90223, AI683180, AI040605, AI052156, AW419172, N20981, N92247, AI583402, N51526, H64280, H64281, H21597, AW117231, W37142, W47567, H65040, Z40718, H65039, W86558, W90127, W47547, AI572195, W86559, R08722, R08628, M79050, R16990, AA002167, AC005736, AB011092, AC007151, T87129, T99488, R87793, H50980, H66212, H66857, N30250, W15238, W15419, AA024406, AA076483, AA099706, AA513421, AA535580, AA593084, AA593075, AA639881, AA766869, AA809957, AA828815, AA922533, AA705190, AA775052, AA854917, AI085171, AA952891, AA952941, AI307637, AI348056, AI203039, AI380800, AI473584, AI571026, AI424140, AI219098, AI659256, AI636785, AI338942</p> |
| 1734 | HCRPD33 | 877057 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 261 of SEQ ID NO:1734, b is an integer of 15 to 275, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1734, and where b is greater than or equal to a + 14.</p> | <p>AI167356, AL049670, AL021397</p> |
| 1735 | HCRPE57 | 877058 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA989345, AI624083, D61985, N67616</p> |

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| 1736 | HCRNI46 | 877059 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1017 of SEQ ID NO:1735, b is an integer of 15 to 1031, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1735, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 324 of SEQ ID NO:1736, b is an integer of 15 to 338, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1736, and where b is greater than or equal to a + 14.</p> | | |
| 1737 | HWLRC59 | 877063 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 412 of SEQ ID NO:1737, b is an integer of 15 to 426, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1737, and where b is greater than or equal to a + 14.</p> | AA984838, F12786, AA224052, T75215, T77343, AC005919 | |
| 1738 | HLHCD08 | 877065 | <p>Preferably excluded from the present invention are one or more</p> | AA195002, AA194815, AI916670, AW440382, AI884584, AA843585, AI653656, AW130944, | |

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| 1739 | HWLVE77 | 877066 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 778 of SEQ ID NO:1738, b is an integer of 15 to 792, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1738, and where b is greater than or equal to a + 14.</p> | <p>AW303456, AA456790, AI051183, AW152159, AA130046, R79256, AW439608, H22118, AA134040, T18594, H44350, AI784396, R76637, T79450, T79540, T97240, T97241, R51919, AW079574, C00464, AI699839, AI689564, AL046171, AI702873, R79157, AI905847, AA129873, AA356980, AA351418, T09084, AW248101, AI929724, AI815427, W27745, D85131, M94046, AB017335, M93339, U33819</p> |
| 1740 | HCROJ64 | 877067 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 454 of SEQ ID NO:1739, b is an integer of 15 to 468, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1739, and where b is greater than or equal to a + 14.</p> | N53758 |
| 1741 | HWLQM0 5 | 877068 | <p>Preferably excluded from the present invention are one or more</p> | |

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| 1742 | HCRPW24 | 877069 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 471 of SEQ ID NO:1741, b is an integer of 15 to 485, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1741, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 398 of SEQ ID NO:1742, b is an integer of 15 to 412, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1742, and where b is greater than or equal to a + 14.</p> | AC004540 | |
| 1743 | HOCTA26 | 877070 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1743, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1743, and where b is greater than or equal to a + 14.</p> | AA906013, AW392670, U46347, Z99396, AW363220, AW384394, AW372827, AL119484, AL119457, AL119319, AL119363, AL119497, AL119324, AL119391, AL119355, AL119341, AL119483, AL119443, AL119522, AL043003, U46351, U46349, AL119439, AL119444, U46350, U46341, AL119396, AL119335, AL119496, AL134533, AL134528, AL037205, U46346, AL119418, AL043033, AL042614, AL134153, AL134531, AL042984, AL042965, AL042975, AL119399, AL134538, U46345, AL042450, AL134542, AL042544, AL043019, AL043029, AL042542, AL134132, AL042551, AL043147, AL119304, AL119464, AC015853, AR060234, A81671, AR066494, AB026436, AR054110, AR069079 | |

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| 1744 | HBKDB96 | 877071 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 939 of SEQ ID NO:1744, b is an integer of 15 to 953, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1744, and where b is greater than or equal to a + 14.</p> | <p>AA812993, AI368842, AI022649, AI084815, AA931328, AI392998, AI287567, AI493596, AI278360, H16208, AW375190, H91009, AW375161, AW375154, AW375158, H90897, H16209, AW375149, AW418706, AW385279</p> |
| 1745 | HCRPE30 | 877073 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 378 of SEQ ID NO:1745, b is an integer of 15 to 392, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1745, and where b is greater than or equal to a + 14.</p> | <p>AB014604, AC003093</p> |
| 1746 | HKGAW02 | 877075 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of SEQ ID NO:1746, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1746, and where b is greater than or equal to a + 14.</p> | <p>AA935168, AA398801, AL119484, AL134524, AL119418</p> |

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| 1747 | HCQCD93 | 877079 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 237 of SEQ ID NO:1747, b is an integer of 15 to 251, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1747, and where b is greater than or equal to a + 14.</p> | AI434772 |
| 1748 | HOCTD62 | 877080 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 341 of SEQ ID NO:1748, b is an integer of 15 to 355, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1748, and where b is greater than or equal to a + 14.</p> | |
| 1749 | HE8PC46 | 877083 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 818 of SEQ ID NO:1749, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1749, and where b is greater than or equal to a + 14.</p> | <p>R13359, H08041, AF010245, AW156983, H29189, Z46132, T16980, AI879608, AW402188, AA348764, R34542, R61072, H23510, AA436740, N36381, AI929579, AI879056, AI816318, AL137450</p> |

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| 1750 | HWLQMS ₃ | 877087 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 470 of SEQ ID NO:1750, b is an integer of 15 to 484, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1750, and where b is greater than or equal to a + 14.</p> | <p>AW369563, AI674814, AA767616, AA761971, AA465292, AA204693</p> |
| 1751 | HTLGE26 | 877088 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 758 of SEQ ID NO:1751, b is an integer of 15 to 772, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1751, and where b is greater than or equal to a + 14.</p> | <p>AI285916, AI025315, AP000553, AC009516</p> |
| 1752 | HCFDE85 | 877092 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 370 of SEQ ID NO:1752, b is an integer of 15 to 384, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1752, and where b is greater than or equal to a + 14.</p> | |

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| 1753 | HFEAH85 | 877093 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 208 of SEQ ID NO:1753, b is an integer of 15 to 222, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1753, and where b is greater than or equal to a + 14.</p> | <p>AI950320, AA340023</p> |
| 1754 | HE8QT45 | 877094 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 636 of SEQ ID NO:1754, b is an integer of 15 to 650, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1754, and where b is greater than or equal to a + 14.</p> | <p>AI052389, AI761986, AW057796, AI656751, AW152082, AI126366, AI125599, AA452171, AI687797, AW023851, AA406351, AI431689, AA778840, AA993437, AI128983, AA565214, AI693581, AI254753, AI285759, AW020705, AI762885, N92604, AI193254, AI003334, C16412, C16192, AA226919, AA479128, AI536542, H08761, AA706764, R85597, T10616, AI933471, AI250282, AW160916, AI440238, AW151132, AI372041, AL040011, AA731417, AA806605, AA641818, AW194014, AA938181, AI932739, AW020164, AI345688, AI813538, AA829402, AI431507, AI890907, AW080157, AI963101, AI279925, AI560198, AW167340, AW151974, AI473536, AI963346, AI244329, N63128, AI350489, AI635634, AA609644, AI627339, AI499057, AI690813, AI581053, AI866469, AI955441, AW021373, AA282824, AI799313, AI609409, AA810226, AI918449, AI699029, AW189548, AW058304, AI828676, AI659041, AI918809, AA065052, AL134828, C21335, AI357644, AI348821, AI590043, AI866770, AI399759, AI636507, AA767924, AA814517, AI289791, AI421662, AW082532, AA761557, AA743474, AA836665, AI628850,</p> |

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| 1755 | HWLQL84 | 877095 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 546 of</p> | <p>AI919516, AW088546, AI590755, W48671, AL119863, AL039508, AI241923, AL079963, AI446373, AA934912, AI884574, AL048499, AI865189, AI581033, AW148544, AW079996, AA811736, AI673278, AW078818, AW409793, AI954504, AW002727, AI859991, AI688381, AW406745, AW021717, AW196720, AI915291, AW152182, AI950729, AI472487, AW023072, AI921915, AI582932, AI609191, AI872423, AI619820, AI434731, AI524179, AI800370, AI521560, AI889189, AW075382, N52016, AW089844, AI648494, AI678623, AI273886, AW104141, AW029457, AL022334, AR050959, S75997, AF100931, AF141289, AF183393, AI8777, AL133619, AF039138, AF039137, A08910, A08909, AF103804, AL110269, AB020777, X60769, A08908, X84990, AL137284, U73682, X66113, AR038854, AB031064, E05822, U37359, AL050366, AF000167, A76337, AC005091, AF098162, AF067790, AL137537, AL050155, AR053103, I48978, X55761, AF036941, Y13653, I89947, I33392, AC010077, AF026816, I80062, X83544, I22020, M85164, X99270, AF044323, X66366, AF102578, X01775, AI8788, X80340, AC006288, AL133565, AL137479, A60092, A60094, AF031572, AC004383, S78214, Z49216, X55446, AF068229, AC005992, U76377, I77092, D55641, X87582, AL080227, X99971, AL030998, A65340, AL122116, A77033, A77035, AL122104, AL137271, E03168, AF184965, AF195092, X93328, AL137716, AC005296, A86558, AF038847, AL137554, AF043493, AL110158, AF042090, W79030, AC005486</p> |
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| 1756 | HCQCP82 | 877096 | <p>SEQ ID NO:1755, b is an integer of 15 to 560, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1755, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 275 of SEQ ID NO:1756, b is an integer of 15 to 289, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1756, and where b is greater than or equal to a + 14.</p> | AA193032 | |
| 1757 | HCRMW8 0 | 877097 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:1757, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1757, and where b is greater than or equal to a + 14.</p> | AI902587, AL110283 | |
| 1758 | HSIGL73 | 877098 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 841 of</p> | <p>AW083100, AI206576, H43346, AA095182, H43308, AA248302, AI537677, AI345416, AI345612, AI345415, AL134830, AI802542, AW051258, AL079963, AI677796, AI569583, AI801793, AI619502, AW198090, AI433157, AI702073, AI633125, AI334445, AW163464, AI254727,</p> | |

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| | | <p>SEQ ID NO:1758, b is an integer of 15 to 855, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1758, and where b is greater than or equal to a + 14.</p> | AA225339, AW071417, AI499285, AI269862, AI863241, AI886753, AI564719, AI521012, AW026882, AL119863, AL036736, AW148716, AW161579, AI340603, AW090071, AI554245, AW160916, AL046200, AI358701, AI611738, AI284131, AI445025, AI536638, AW073865, AI636588, AA640779, AI687362, AI954183, AW300782, AI571909, AI887659, AW300889, AI500077, AW117746, AI921248, AL040243, AI632408, AI627360, AI873644, AI933589, AI682743, AI783504, AI620284, AL039086, AL120307, AI637584, AI919534, AI612885, AI815232, AW163823, AW129659, AI697324, AI284517, AI670009, AL038069, AW169653, AW104724, AI612913, AI801325, AI500523, AI446373, AL037454, AI926790, AI521560, AI500662, AW090013, AW023590, AW104827, AI890833, AI348897, AI491852, AI475371, AI627988, AI520862, AW190194, AL036403, AI567128, AW148363, AI283760, AA427700, AI284484, AL036274, AI699865, AL036631, AI798456, AI524671, AI207510, AW301409, AI812107, AI886124, AL036980, AW150578, AI679504, AI440239, AW080402, AL045500, AW118518, AW075667, AL043293, AI815855, AW148408, AL036396, AI702068, AW020561, AL038605, AI866770, AI559296, AA572758, AL040241, AW193530, AW073270, AI587114, AI610690, AI312428, AI469532, AI815237, AI866801, AI536685, AI468872, AW268220, AI805603, AI340519, AW166970, AL120853, AI349645, AI932794, AI500706, AI439745, AW089572, AI648509, AI590120, AW087207, AL110306, AI433976, AI862144, AI249323, AI280747, AI934259, AI696398, AW087445, AI929108, AA470491, AW081298, AW020693, |
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| 1759 | HHEYT40 | 877099 | <p>AW105601, AW193911, AI620866, AI306613, AI274541, AI609375, AI567612, AW022808, AL036802, AI270055, AI174394, AI554186, AW129916, AI613270, AI633330, AI874166, AI625079, AI683585, AL047763, AW132056, AW169527, AI335426, AI348777, AI270099, AI862139, AI355827, AI475394, AI285448, AI687065, AI686576, AA806720, AI871697, AW403717, AI682971, AL036361, N33175, AI889376, AI923989, AW152459, AI636585, AI439717, AL119791, AI635461, AI433384, AI923370, AI345131, AI591075, AI567351, AW074993, AW302965, AI431424, AI349614, AW193134, AI343112, AI954422, AI434468, AI499986, AW268083, AI572787, AW268253, AI537515, AI281772, AL045266, AI254731, AI349598, AI934011, AI312152, AI872545, AI570807, AI686817, AI247293, AL041772, AI345735, AI819326, AW078839, AI539771, AW075084, AI818977, AI784252, Z83839, L29339, AF042090, AC004057, AL032822, AC004470, AL080239, AC018767, AC006197, AC004554, AC004808, AC006313, AC002454, AF090900, AL133560, AF090934, AL137271, I48978, I89947, A08916, AL133557, AL117460, AL049382, AJ000937, AL049314, AF111851, AC002480, A08913</p> <p>AA313905, AW392670, AL119319, AL119496, U46350, AW372827, U46349, AL119399, AL119363, AL134518, AL119443, AW363220, AW384394, U46346, U46341, AL119497, U46347, AL134524, AL119335, AL134528, U46351, AL042850, AL119457, AL119522, AL134920, AL119484, AL119391, AL119324, AL119444, Z99396, AL119355, AL119483, U46345, AL134538, AL119439, AL043037, AL042970, AL037205, AB026436, A81671, AR054110, AR060234, AR066494</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 679 of SEQ ID NO:1759, b is an integer of 15 to 693, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> |

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| 1760 | HDQHQS1 | 877101 | <p>NO:1759, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2712 of SEQ ID NO:1760, b is an integer of 15 to 2726, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1760, and where b is greater than or equal to a + 14.</p> | <p>AW405179, AA278430, AI951459, AW130135, AA437355, AA427621, AW183077, AW044380, AI038334, AI540554, AI224500, AA256905, AW440059, AA702920, AI269240, AA662464, AA129087, AI042498, AW401902, AI865421, AA129086, AI023674, AA670374, U51141, AI355031, AA255481, AA600233, AA983314, AA661749, AA278961, AI286001, AW237708, AA512902, RI6374, AI000189, AA872607, Z39825, AW338997</p> |
| 1761 | HODGR31 | 877104 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1019 of SEQ ID NO:1761, b is an integer of 15 to 1033, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1761, and where b is greater than or equal to a + 14.</p> | <p>AI701474, AI141563, AA805242, AW151887, AW172894, AI342500, N26482, AI990393, AW275998, AL120029, AI367540, AA905238, AA767195, AA633403, N25228, AA811725, Z39323, N29704, H17935, W05575, N70530, AA766858, AL118631, N98948, AI701701, N66665, AA737077, AB007917</p> |
| 1762 | HWLWB9 2 | 877105 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 607 of SEQ ID NO:1762, b is an integer of 15 to 621, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AA167624, AA688144, AA016314, AI499580, AI925014, AA808419, AI081193, AA194836, AA125835, AW419229, AA252083, AA461554, AI500464, AA557634, AI208183, AA988570, AA687098, W33019, AA876407, AW007949, F34751, AA492322, AA908820, R37941, T23517, AA844143, N73484, AA488062</p> |

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| 1763 | HWLRD79 | 877106 | <p>NO:1762, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 722 of SEQ ID NO:1763, b is an integer of 15 to 736, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1763, and where b is greater than or equal to a + 14.</p> | <p>AA465383, H51960, AA393998, AI300310, AI017609, AI017517, AI819082, AW088106, AW264111, AI446796, AA767844, AI538119, AI583021, AW151792, AW168958, AI252808, T79312, AA429868, AA971656, AI358328, AI039023, AW002810, AW028426, AI336255, AW238738, N64679, AA604414, N64391, AI275601, AA437374, AW003543, H93076, AI962621, AI148567, AA904883, AW194543, F01936, AI674414, AI419876, AI339747, AW299722, C00822, AA661775, T27646, AI473622, AI473612, AL042432, AA775934, AA700143, X63546, I76205, AJ012755</p> |
| 1764 | HWLOW7 2 | 877110 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1357 of SEQ ID NO:1764, b is an integer of 15 to 1371, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1764, and where b is greater than or equal to a + 14.</p> | <p>AA046439, AW243397, AA211360, AA974447, AI128724, AI990335, AA456529, AI655816, H39555, AI479968, AI283132, AI926934, AA534329, AA019380, AI961572, AA011475, AI089295, AI446563, AI807997, AA872374, AI798452, AA256606, AA936249, AI93572, H25408, AW016511, C01415, H28374, AA516090, R43067, AI991488, AA455164, AI217649, AA730296, AI216786, AI357214, AI961183, AI537981, AI203429, AI261590, AI093989, AI950123, R46342, AI803504, AI017015, AA425610, AA535732, AI922416, N21542, AI805514, R35671, R35782, Z38679, AA258077, AI092478, AW170513, AI382468, AA971129, AA455366, AA430349, AA090871</p> |
| 1765 | HUSGT72 | 877111 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 752 of SEQ ID NO:1765, b is an integer of 15 to 766, where both a and b</p> | <p>AA021634, AW028333, AI203234</p> |

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| 1766 | HPWBM91 | 877112 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1765, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 722 of SEQ ID NO:1766, b is an integer of 15 to 736, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1766, and where b is greater than or equal to a + 14.</p> | AA496246, AI760599, AI371734, AA476481, AA496245, AI955212, AI802040, AA628734, AA476480, AI369165, AI094501, AA744975, AI609830, AI810354, AI420545, AI381025, AI380020, AI675503, AI439413, AI474428, AI784364, AI832169, AA886089, AI362418, AA505488, AA554685, AA812608, AI125614, AA886622, AW389951, AI885739, AA215595, AW389969, AI000868, AF165185, AF172328 |
| 1767 | HWLVB03 | 877114 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1767, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1767, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1767, and where b is greater than or equal to a + 14.</p> | AA112413, AI879634, AI625669, AA287717, AI027610, AI951403, N51076, AI218397, N72114, AI924949, AI278323, AI076224, AI921374, AI910849, AI263735, N25730, AI932387, AW269315, AI221583, AA806202, AI634635, AI357102, AI761994, AI272043, AI298937, AI685902, AI765676, AW298266, AA768195, AI742632, AI825896, AI682622, AA771945, AI367152, AA884764, AW418760, AA897114, AA704188, AA765915, W68725, AI434324, AI075318, AI695150, AA287716, AI424445, N50945, AA127273, H52538, AL037272, AA665059, AW340854, AA279150, H10181, R43600, AA554232, R49161, AI142249, AI003234, R43464, AW365070, AW079259, Z38935, F03815, AW364640, R40549, AI567606, AA788798, AW168090, AA127272, AL119457, AL119324, AL042544, AW383064, AA724943, AL119464, AL119443, AW392670, AL119439, AL119335, AL119355, AL042450, AL042542, U46349, AL134542, AI433107, AL042984, AL043029, U46350, AL043033, AL119497, |

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| 1768 | HJAM74 | 877119 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 439 of SEQ ID NO:1768, b is an integer of 15 to 453, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1768, and where b is greater than or equal to a + 14.</p> | <p>AL119319, AL042433, AL042965, AL042975, AL119483, U46341, AW372827, AL042614, AL119484, AL119363, AL119391, AL119444, AW363220, U46347, AW384394, U46351, Z99396, AL134528, AL043011, AL043019, AL043003, U46346, AR060234, AR066494, A81671, AR054110, AB026436</p> <p>AA026806, AI243595</p> |
| 1769 | HMMME78 | 877120 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 622 of SEQ ID NO:1769, b is an integer of 15 to 636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1769, and where b is greater than or equal to a + 14.</p> | <p>AA215535, AA453055, Z99396, AL119522, AW392670, AW384394, AW372827, AW363220, AL119497, AL119335, AL119443, AL119319, U46349, AL119483, U46350, AL119457, AL119324, U46341, AL119484, AL119363, AL119391, AL036418, AL038837, AL119341, AL119355, U46351, AL119496, AL119396, AL037051, AL036725, AA631969, AL036858, U46346, AL119418, AL134524, AL042614, AL119444, U46347, AL134528, AL042975, AL038509, AL039074, AL119439, AL037205, U46345, AL134518, AL036924, AL042965, AL119399, AL134533, AL042970, AI142137, AL042984, AL119488, AL042551, AL134538, AL037094, AL037082, AL037526, AL042450, AL036196, AL037077, AL037639, AL037085, AL039564, AL042544, AL043019, AL042995, AL043029, AL134542, AL042542, AL042896, AL036767, AL036190, AL043003, AL036268, AL038851, AL038520, AL038447,</p> |

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| 1770 | HCYBI73 | 877121 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 629 of SEQ ID NO:1770, b is an integer of 15 to 643, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1770, and where b is greater than or equal to a + 14.</p> | AL119464, AL036774, AL036733, AL036998, AL037178, AL036238, AL037615, AL037027, AL036719, AL036765, AL036191, AL036679, AL036158, AR060234, A81671, AR066494, AR023813, AR064707, AR069079, AR054110, AB026436 R18987, R17194, AA305460, Z45206, F08022, W86585, F07327, D50979, D80164, D80227, D80522, D80269, C14389, D59502, D81026, D80133, D80195, D51060, D80248, D59610, D59467, D59275, D58283, AA305578, D80188, C15076, D80366, D59859, D51022, D80022, D80038, C14331, D80166, D80043, D50995, D51423, D59619, D80210, D51799, D80391, D80240, D80253, D59787, D81030, D80241, D80212, D80193, D80196, AW377671, D80219, AA305409, D80045, AA514188, D59927, D80251, D57483, D80378, D59889, D80024, C14014, C06015, AW360811, D80268, AW177440, D80302, AA514186, AW378532, D80439, D59373, C14429, AW178893, D80247, D51103, AW375405, T11417, T03269, AW360834, AW179328, AW366296, C75259, AW360844, AW378528, AW360817, AW375406, AW178906, AW378534, AW179332, AW377672, AW179023, AW178905, D59653, AW177501, AW177511, D80157, C05695, D51759, AW352171, AW377676, D80132, AW178762, AW352170, AW177731, AW178907, AW179019, AW179024, D58253, F13647, D80134, D51250, AW367967, AW176467, AW360841, AW177505, AW178775, AW378525, AW369651, AW179020, AW178909, AW177456, AW179329, AW178980, AW352158, AW178914, AW177733, AW178908, AW178754, AW179018, T48593, AW352117, AW378543, AA514184, D80014, D45260, D51079, H67854, AW179004, D59551, D81111, AA809122, AW178774, AW179012, C14227, D59503, AW352120, AW378540, AW352163, D80258, D80064, D59627, C03092, H67866, AW179009, AI525923, AW178911, AI910186, |
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| | | | | <p>AW177722, AW378533, AW177728, D58101, D59317, T02974, AW367950, T03116, AI905856, D58246, D45273, C14407, AW178781, AI525917, AI557774, AI535959, D59695, C14973, AW378539, C14344, D60010, AI535686, AW178986, D51221, AI525227, D59474, T03048, D60214, AI525920, C14957, C14046, AW378542, AI525235, C14298, AI557751, AW177734, D80168, AI525242, AW179011, D52291, AI525925, AI525912, D51213, AA285331, AI525215, C16955, AI525237, D51097, D31458, C05763, Z33452, AI525222, Z21582, AI525928, AW360855, T02868, H67858, D80949, C04682, AB028859, AJ132110, AR008278, A84916, A62300, A62298, AR018138, AF058696, A82595, X68127, AB002449, AR060385, X67155, Y17188, D26022, Y12724, A25909, A94995, A67220, D89785, A78862, D34614, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR016808, AR060138, A45456, A26615, AR052274, X82626, A43190, I14842, Y09669, A43192, AR038669, AR054175, AR066487, A30438, AR025207, Y17187, A63261, A70867, D50010, AR066490, AR008277, AR008281, AR062872, I18367, AR016691, AR016690, U46128, I82448, I79511, AR008408, A64136, A68321, AB012117, D13509, AR060133, AR066482, AF123263, A85396, D88507, A44171, AR032065</p> <p>N46730, N47731, AC005272, AC005826, AC006379, AC007276, AC004800</p> |
| 1771 | HCRNE77 | 877122 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 720 of SEQ ID NO:1771, b is an integer of 15 to 734, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | |

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| 1772 | HWMB09 4 | 877123 | <p>NO:1771, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 382 of SEQ ID NO:1772, b is an integer of 15 to 396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1772, and where b is greater than or equal to a + 14.</p> | AA366950 |
| 1773 | HWLMS73 | 877126 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 772 of SEQ ID NO:1773, b is an integer of 15 to 786, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1773, and where b is greater than or equal to a + 14.</p> | <p>AA527435, AW195324, AI653000, AW051613, AA514619, AI652532, AI675204, AA435717, AI659333, AI796596, AI273289, AI880669, AI826786, AA889355, AW004627, AA397980, AC002302</p> |
| 1774 | HFAMB70 | 877129 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 662 of SEQ ID NO:1774, b is an integer of 15 to 676, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | H10992, AL080276 |

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| 1775 | HCQAK62 | 877130 | <p>NO:1774, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of SEQ ID NO:1775, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1775, and where b is greater than or equal to a + 14.</p> | W86771 | |
| 1776 | HCQDP71 | 877131 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 657 of SEQ ID NO:1776, b is an integer of 15 to 671, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1776, and where b is greater than or equal to a + 14.</p> | AA595817, H30539, AW022133 | |
| 1777 | HE9PB28 | 877132 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1765 of SEQ ID NO:1777, b is an integer of 15 to 1779, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AW183176, AI338542, AA687408, AI335604, AA902163, AI741694, AA954272, AA742379, AI092736, AI826540, AI675475, AI079357, AI932722, AW196794, AW028184, AA091428, AW297724, AI678998</p> | |

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| 1778 | HCQCR68 | 877133 | <p>NO:1777, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 545 of SEQ ID NO:1778, b is an integer of 15 to 559, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1778, and where b is greater than or equal to a + 14.</p> | T87566, AW389691, AA505395, R15971, AL022069 |
| 1779 | HEPNB10 | 877134 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 772 of SEQ ID NO:1779, b is an integer of 15 to 786, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1779, and where b is greater than or equal to a + 14.</p> | AI268381, AI240658, AI302971, W87782, H02333, AW022594, X82877, A36408, X64315, X82876 |
| 1780 | HWLN36 | 877135 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 674 of SEQ ID NO:1780, b is an integer of 15 to 688, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | Z78283, R11554, N44978, AA321699, AA661583, AW275432, AL048969, AI801563, AA640305, AA666295, AA676592, AA483966, AI268826, AW151247, AW021674, AI174703, AA601376, AL048060, AL048090, AI572680, AI570067, AI370470, H93717, AA846944, C06151, AA469230, M77888, AI224583, AI242994, F29968, AA829565, AI039257, AA180056, AI090377, AI791659, AA723132, AA831426, AA525753, AA630476, AA113757, AA493245, AW275640, AI292275, |

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| | NO:1780, and where b is greater than or equal to a + 14. | AA525881, AI457152, T52772, AA233462, AI738741, F17549, AI309943, AI300597, AW245331, T57562, AI283329, AA302943, AA720582, AA480486, AW087537, AA599069, AI754421, AI474127, AA601333, AI192465, AA341992, AA367920, AI583532, AA493789, AW022376, AI053673, AA489390, AI417496, T07251, AI797998, AA491743, AA586474, AI590404, D29424, AI538404, AI378950, N54538, AI311796, AA084320, AI567676, AI310670, AI014332, AA218684, T03928, AL119645, AI282724, AI653465, N22416, AW264548, AI719298, AI065031, F18885, AA182577, AW149241, N58378, H90845, AA583386, R43468, AA483735, AI349130, R42954, AA666172, AI590442, AI079669, AI654737, AA584765, AA228437, AA602105, AI862213, AA111897, AI872018, AA847504, AA434165, AA342238, AA587835, AI271693, AA368616, AW272389, AA347203, AW192199, AA298365, AI758981, AL079553, AL078621, AC002055, AL096791, AC002316, AL021392, AC005954, AC004929, AC000115, AP000518, AC005746, AL021393, AC005011, Z73359, U95742, AC006368, AC007216, Z97632, AL035682, AP000070, AL031120, AC004587, AL034349, AC007563, Z81450, AC004652, AC005969, AC005778, AL023575, AP000075, M91453, U80459, Z68617, Z82245, AB014077, Z84721, AC004209, AC004506, AP000514, AL031663, AC002554, AC005736, AC002470, AC004834, AL035443, AC007564, AC005041, AP000010, Z68273, Z97056, AC007308, AF118808, AC004230, AF006501, AC004611, AL008716, AL118497, Z84467, Z85986, AC005082, AC002310, AC005914, AC005095, AC005666, AL078602, AF109907, AC004583, AC003982, AC004638, Z82244, AL031447, AC005519, AL034548, AJ003147, AC003685, AC005740, AL049569, AC006205, AC004673, AC005747, |
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| | AC004518, AC007110, AL031321, AC004678, AL117339, AF217403, AC005190, AP000277, AC002133, AC006167, AP000281, AC005251, AC003077, AP000008, AP000105, AP000037, AC002115, Z95113, AP000704, AC002529, AC002465, AC009069, AC007406, AP000511, AC006121, AL080276, AL049712, AP001053, AL023799, AL031985, AC004961, AC005207, AC010077, AC004139, AC020663, AC007066, AC003109, Y15083, AC002299, AC005104, AC006076, AB020859, AC007878, AC005320, AC004562, AL132799, AL023578, AC005065, AC006251, AC006275, AL022334, AC004623, AL031223, Z99289, AC006316, U91322, AF207550, AC004477, AC007371, AC006131, AC012599, Z99297, Z97832, AL049839, AL133163, Z73429, AC005184, AC002044, AC004150, Z93930, AL049776, Z46936, AC005579, AL121767, AC004134, AC005015, AP000227, AB004907, U89335, AC005218, AC004131, AC006130, AL022322, M94081, AP000087, AF042089, Z97054, AC004231, Z97989, AE000661, AC004858, AC005924, AC006162, AC004074, AL031587, AC005911, AJ006997, AC005393, AF165926, AC004757, AL022725, AC003665, AC009247, AL034343, AC004832, AC002996, AC004922, Z99716, AC000353, AC005776, AL139054, AL023876, AC004513, AC004773, AL136295, AL008710, AC002077, AC012627, AL034553, AC006132, AC009516, Z94802, AC005277, AF064863, AC002064, AC006238, AL021307, AC004921, AL035587, AC005523, AC005261, AC004030, AL031678, AC004998, AC005209, AL135744, AC007225, AL050341, AL034429, AL137100, AC006600, Z95114, AL022723, X77331, AC007064, AP000359, AL021918, AC004856, AB023050, AC004602, AC003043, AB009422, U80017, AC006211, AP001058, AC005175, AC013256, AC002997, |
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| 1781 | HWLRC68 | 877137 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 534 of SEQ ID NO:1781, b is an integer of 15 to 548, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1781, and where b is greater than or equal to a + 14.</p> | <p>AC005594, AC008975, Z68756, L48038, Z75890, AC004076, AF107045, AL096703, AC004508, Z94801 U55042, AJ249706, AF184153</p> |
| 1782 | HWLQM8 8 | 877138 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1782, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1782, and where b is greater than or equal to a + 14.</p> | <p>W73224, AI804267, AI379725, AI636783, AI351006, H98536, AI365217, N35469, AI219083, AI221578, AA476333, AI687408, AC007285</p> |
| 1783 | HWLMG4 0 | 877139 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1783, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AI741535, AI968175, AI970276, AI991566, AW025923, AI652906, AW188858, AI637887, AA516176, AI917709, AI631638, AI625029, AI342081</p> |

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| 1784 | HWLQOI5 | 877140 | <p>NO:1783, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 600 of SEQ ID NO:1784, b is an integer of 15 to 614, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1784, and where b is greater than or equal to a + 14.</p> | <p>AI972873, N95228, AI656562, AW055145, AI936408, AI375092, AW016802, AI188610, AI985579, AI991588, AI292190, AI094172, AI078514, AI191047, R38989, AI763004, AW182193, AI830734, R49050, AA046092, AI202609, H49273, R99234, AL037112, AI262420, H19327, W87481, AW236116, N94137, AI221613, AA581541, AI521710, AA404487, AA046135, R05523, W69271, Z38912, AI468774, AA099158, AI984653, AA019723, AI554117, AI090954, AW007126, N70968, H12506, AF131754, AL035700, AC007270</p> |
| 1785 | H2CAC59 | 877142 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 481 of SEQ ID NO:1785, b is an integer of 15 to 495, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1785, and where b is greater than or equal to a + 14.</p> | <p>AA307078, AA706423, AA994100, AA641669, AA626714, AA770345, AI360154, AA454000, AI015598, AI470060, AI470113, AI274091, AI627230, AI784122, AI563937, AW071839, AI937059, AI348119, AI285070, AI401714, AA550934, AW078863, AI092221, AI077448, AI139979, AA229891, AI192689, AA745669, AA614661, N51519, AA661859, AA483292, AA873127, AI002451, AI568443, AA074240, AA627279, AA451794, R96077, AA767360, AA451795, R96116, AA579733, AA328053, R44546, AI832484, AA393453, AA229890, D51799, D80166, D59889, D51423, D59619, D80210, D80240, D80253, D59859, D58283, D59927, D80212, D80188, D80227, D81030, D80195, D80219, D57483, D80391, D59610, D80043, D59502, D80038, D80022, D80196, D80269, D80164, D59275, D80366, AA400769, D80193, D80241, D59787, D80024, D80045, D50995, D50979, C14389, C14429, D80378, T03269, C75259, C14331, AA888120, C15076, C14014, D59467, D51060, AA305409, D80134, AW178893, D81026, D80268, D51250, F13647, D80949, Z21582, D58253, D80522, D81111,</p> |

AW178775, D51079, AW177440, D59695, D80168,
D51022, C14227, AW179328, AW377671, AW352158,
AW378532, AA514188, AA305578, AW369651, D52291,
D80251, D80248, AW177501, AW177511, AI905856,
AA704205, C14298, AW178762, D80064, AW352117,
AA514186, D80133, AA285331, AW360811, C14407,
AW378540, D51097, AW375405, AW360844, D80132,
AW360834, AW366296, AW360817, AW179220,
AW375406, AW378534, AW352171, AW179332,
AW377672, AW179023, AW377676, AW178905,
AW178754, AW179024, D80439, T03116, AW177505,
AW360841, AW179020, D80302, AW178909, AW177456,
AI557751, AW178906, AW352170, AW177731,
AW178907, AW179019, AW179018, AW178971, D80247,
AW352174, D80014, AW179017, AW179004, AW179329,
AW179012, AW178980, AW177733, AW378528,
AW178908, T11417, D51103, D80157, AW179009,
AW178914, AW378543, AW378525, AW367967, T02974,
D51759, D58246, D58101, AW378539, AW178983,
AW352120, AW177728, AW178774, AW178781,
AW178911, AW352163, D59627, D80258, D59503,
C06015, AI557774, T48593, D51213, D45260,
D50981, AW378533, H67854, AW367950, Z82214,
D63487, A62298, A84916, A62300, AJ132110,
Y17188, AR018138, X67155, A67220, D89785,
A78862, D26022, A25909, D34614, D88547,
AR025207, X82626, AF058696, AR008278, AB028859,
AB012117, Y12724, X68127, A85396, AR066482,
A44171, A85477, I19525, A86792, U87250, A82595,
X93549, A94995, AR060385, AB002449, AR008443,
I50133, I50128, I50126, I50132, AR066488,
AR016514, AR060138, AF135125, A45456, A26615,
AR052274, AR066490, Y09669, A43192, A43190,
AR038669, AR066487, I18367, A30438, D88507,
I14842, AR054175, D50010, Y17187, AB033111,
AR008277, AR008281, A63261, AR064240, AR008408,

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| 1786 | HWLXJ87 | 877143 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 570 of SEQ ID NO:1786, b is an integer of 15 to 584, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1786, and where b is greater than or equal to a + 14.</p> | <p>AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, Z32749, U87247, AB023656, AF123263, X93535, AR008382 AW450418, R24589</p> |
| 1787 | HSDSJ26 | 877145 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1319 of SEQ ID NO:1787, b is an integer of 15 to 1333, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1787, and where b is greater than or equal to a + 14.</p> | <p>AA193531, AI360026, N40228, AA459477, N93266, H85243, AI918187, AI564399</p> |
| 1788 | HCFBR55 | 877146 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 536 of SEQ ID NO:1788, b is an integer of 15 to 550, where both a and b</p> | <p>AI336245, AI761380, AI423423, AI367536, N81076, AA865581, AA258570, AA772622, H22025, AI565200, AI371499, AA659137, AA879034, AI423953, AI084944, U69127</p> |

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| 1789 | HCRNP62 | 877147 | correspond to the positions of nucleotide residues shown in SEQ ID NO:1788, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 471 of SEQ ID NO:1789, b is an integer of 15 to 485, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1789, and where b is greater than or equal to a + 14. | AA845225, W21880 |
| 1790 | HCRM04 | 877148 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 551 of SEQ ID NO:1790, b is an integer of 15 to 565, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1790, and where b is greater than or equal to a + 14. | |
| 1791 | HGBHE60 | 877149 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 900 of SEQ ID NO:1791, b is an integer of 15 to 914, where both a and b | AI076490, AI654914, AI265931, AA218987, AA232080, AI921179, AI921200, AF110400 |

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| 1792 | HKAOG63 | 877153 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1791, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 296 of SEQ ID NO:1792, b is an integer of 15 to 310, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1792, and where b is greater than or equal to a + 14.</p> | AA307405, AL037524, AL037501, AA126654, R97186, Z58080 |
| 1793 | H2CBR38 | 877154 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1040 of SEQ ID NO:1793, b is an integer of 15 to 1054, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1793, and where b is greater than or equal to a + 14.</p> | AA434547, AA278232, AA029146, AA191433, H00358, R11943, H11169, Z46056, AA193396, AA405639, T99622, AA165044, W00839, R35827, AA425497, F11670, W02964, T85686, R14127, AA449385, W24857, AA313412, N77971, AW303346, AA455582, AI312533, T56653, AA905068, AA304411, AW009793, AA514453, AA587237, N77395, AA129547, AW069049, AI816925, AC002543 |
| 1794 | HRDEW54 | 877155 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 783 of SEQ ID NO:1794, b is an integer of 15 to 797, where both a and b</p> | AW303346, AA905068, AW009793, AA193396, AA514453, AA587237, AW069049, AI816925, AA425497, AA525849, AA455582, AI309995, AI768678, AI129597, AA129547, AI922487, W00839, AI679847, AI275507, AW070298, AI816908, AA278690, AA165044, AW168777, AA456079, AI250904, AA405639, AI679273, AI399923, AA600034, AA427915, AA613020, AA723373, |

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|------|---------|--------|--|--|
| 1795 | HBMDC60 | 877157 | correspond to the positions of nucleotide residues shown in SEQ ID NO:1794, and where b is greater than or equal to a + 14. | AI630755, AA926672, N95773, AI355684, AA576604, AI081443, N73000, AI633576, AW008775, AA989509, AW009019, AI309215, AI125948, AI431758, N58382, AA136562, AA425221, H11081, AA644362, AI080504, AA449256, AA029146, AA278232, F09333, AA190919, H00311, T91257, W02964, N33940, T99623, R49537, T57253, H83423, AA969769, AA826121, AW182061, AA975401, AW235959, AI767913, Z40018, AA640099, AA932232, T49289, T56653, AA029024, T49288, AI695342, W24857, AA159950, H00358, T49319, AW134475, AA434547, T49320, AC002543, AI143419 AL031774 |
| 1796 | HOGDM40 | 877163 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 350 of SEQ ID NO:1795, b is an integer of 15 to 364, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1795, and where b is greater than or equal to a + 14. | AI459297, AA807285, AA428379, AA443512, AA808649, R73812, AA829249, R73811, AA306972, AI823917, AW296857, R34933, AI964018, R34837, AL120670, AL120664 |
| 1797 | HWLNG61 | 877165 | Preferably excluded from the | |

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| 1798 | HCQCT53 | 877166 | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 449 of SEQ ID NO:1797, b is an integer of 15 to 463, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1797, and where b is greater than or equal to a + 14. | N23022, AI742147, AA399952, AA773713, AI917300, AA773709, AA768407, N47504, AI339083, AI743525, AI276208, AI393759, AA933833, H97027, H97002, AI401278, AI952505, AW294197, AA844082, AI990110, AI770034, AI973154, AI381716, AA620473, AI990671, AA256663, N47503 |
| 1799 | HCRNV59 | 877167 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 877 of SEQ ID NO:1798, b is an integer of 15 to 891, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1798, and where b is greater than or equal to a + 14. | AA515852, AA806034, AA642399, AI804718, AA805516, AI494462, AI478789, AW236212, AA252353, AI768661, AA721744, AA761615, AA603497, AL134524, AL134110, AA252268, AL047163, AL042898, AL135012, AL042468, AL042523, AL042420, AL045327, AL045494, AL042741, AL045891, U46344, AL049280, AR066494, AL133053, AL122101 |
| 1800 | HCQDP52 | 877168 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID NO:1799, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1799, and where b is greater than or equal to a + 14. | N94138, AL042183 |

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| 1801 | HFAAH06 | 877169 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 435 of SEQ ID NO:1800, b is an integer of 15 to 449, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1800, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 681 of SEQ ID NO:1801, b is an integer of 15 to 695, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1801, and where b is greater than or equal to a + 14.</p> | W32491, AI557416, AA641955, AC007250 |
| 1802 | HWLMX0 2 | 877170 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 896 of SEQ ID NO:1802, b is an integer of 15 to 910, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1802, and where b is greater than or equal to a + 14.</p> | AI432361, AI394416, AI075852, AA479958, AA491075, AA588390, N20112, AW377547, AI888417, AA446881, AF155106, AB033107 |
| 1803 | HCYBH52 | 877171 | Preferably excluded from the | AA305314, AI656138 |

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| 1804 | HCRNX51 | 877173 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 526 of SEQ ID NO:1803, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1803, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 217 of SEQ ID NO:1804, b is an integer of 15 to 231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1804, and where b is greater than or equal to a + 14.</p> | AA232079, AF110400, AB018122 |
| 1805 | HHEPP92 | 877174 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 374 of SEQ ID NO:1805, b is an integer of 15 to 388, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1805, and where b is greater than or equal to a + 14.</p> | AI973079, AA813801, AA191593 |
| 1806 | HCQAB45 | 877175 | Preferably excluded from the | |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 270 of SEQ ID NO:1806, b is an integer of 15 to 284, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1806, and where b is greater than or equal to a + 14. | | |
| 1807 | HCYBG53 | 877176 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 320 of SEQ ID NO:1807, b is an integer of 15 to 334, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1807, and where b is greater than or equal to a + 14. | AA305151, H10843 | |
| 1808 | HCQDF43 | 877181 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 907 of SEQ ID NO:1808, b is an integer of 15 to 921, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1808, and where b is greater than or equal to a + 14. | AL122007 | |
| 1809 | HSHBU44 | 877184 | Preferably excluded from the | AI683284, AW207832, AB007917, AB024568, E17301, | |

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| E17300 | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 842 of SEQ ID NO:1809, b is an integer of 15 to 856, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1809, and where b is greater than or equal to a + 14. | | |
| AA600172, AC005007 | 1810 HHLHSE30 877185 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 648 of SEQ ID NO:1810, b is an integer of 15 to 662, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1810, and where b is greater than or equal to a + 14. | | |
| AI769803, AI769743, AI986284, AI031834, AI017244, AI247689, AI336761, AW445026, AA933877, AA947886, AI347451, AI344592, AI580382, AW302464, AA702771, AA923510, AI302541, W88655, N74646, AI343716, AA854730, H66770, H62545, W88899, U66036, AB008164, AF026303, AJ238392 | 1811 HOSDV69 877187 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 677 of SEQ ID NO:1811, b is an integer of 15 to 691, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1811, and where b is greater than or equal to a + 14. | | |
| AL119483, AL119484, AL119418, AA554958, | 1812 HCRMH42 877189 | Preferably excluded from the | | |

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| 1813 | HSKZE25 | 877191 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 601 of SEQ ID NO:1812, b is an integer of 15 to 615, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1812, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1191 of SEQ ID NO:1813, b is an integer of 15 to 1205, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1813, and where b is greater than or equal to a + 14.</p> | <p>AC006576, Z84466, AC008012, AC006480, AC005701, AC004651, AP001053, AF019413, M20903, AC004968, AC004966</p> <p>AI740516, AI739132, AA631257, AI741376, AW068935, AI467852, AI123717, AI754551, AI752240, AW205510, AA464510, AW044211, AW028889, AW198033, AI538632, AA513096</p> |
| 1814 | HCRMP38 | 877194 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 586 of SEQ ID NO:1814, b is an integer of 15 to 600, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1814, and where b is greater than or equal to a + 14.</p> | <p>AI623320, AL023654</p> |
| 1815 | HDPXD55 | 877195 | <p>Preferably excluded from the</p> | <p>AL110186, AB011097</p> |

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| 1816 | HHMMB4 0 | 877200 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 551 of SEQ ID NO:1815, b is an integer of 15 to 565, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1815, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 272 of SEQ ID NO:1816, b is an integer of 15 to 286, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1816, and where b is greater than or equal to a + 14.</p> | |
| 1817 | HEQAN41 | 877202 | <p>Present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1306 of SEQ ID NO:1817, b is an integer of 15 to 1320, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1817, and where b is greater than or equal to a + 14.</p> <p>AW003740, W81689, AI862673, AW270849, AI912038, AI703038, AA937086, AI279103, AA282925, AI078559, AI768831, AA313607, AI275886, AI432429, AA903131, AI870642, AI189825, AA283134, W81688, AI521151, AW044071, AA410488, AA827159, AA730751, AA256352, AW131390, AI970675, AA989435, AA918065, AI813309, AI969627, AA255498, AA621557, AA828340, AI693110, AI351613, AI471645, AA025513, AI912910, AA410307, AW071626, AI655122, AI800296, AI651526, AI368793, AA976771, AI631084, AI829747, AI620149, AI970920, AA256209, AI422613, AI826838, AW389929,</p> | |

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| | AI638091, AI089178, AA582684, AI917053, AI024439, R70884, AI859906, AI915081, AI884861, R70883, AI279417, AA678616, F08214, AI859744, AA831801, AA553457, AA832016, AI9222614, AW341882, AI798242, AA484892, AA610255, N92697, AA609826, AI631059, AI797998, AI869786, F08655, AA598605, AI038324, AA857812, AI018726, AA807579, AA778962, AW265688, AW019964, AA904211, AI383596, H59611, AI150934, H59651, AI889426, AW078821, AW390284, AI347665, AI860535, AA644223, AA581498, AA020882, AI472736, F33820, AW440568, R99613, AA678932, AI288033, AW081610, T76991, AW270429, N67313, AW270351, AA362791, AI803741, AI889995, AI359200, AA126814, AI419337, AI361090, AA757426, AA364420, AI421950, AI114645, AA345594, AW192518, AI671077, AW026305, AA579281, H39839, AW303822, AA856815, AL039761, AA643829, AA402113, AI289050, AA653291, AA436140, AI358776, F17537, AI284092, H38901, AI123488, AA603558, AI246061, AA501867, AI291419, AA484022, AF003627, AF035397, AF086459, AF130357, AC007656, AF111169, AC005231, AC002316, AP000350, AP000045, AL049830, AC004820, AL133448, AC004990, Z49258, AC007055, AL121603, AL031984, AC006084, L78810, Z82208, X51956, AL031602, U47924, U85195, AC003029, AE000658, AC006251, AC005696, AC007878, AL049692, AC005480, AC005082, AC000379, AC007057, AL049872, AC005006, AL031433, AC005484, AL031295, AC007687, AC005089, AL096791, AC002312, AL050305, AC006443, AL031728, AL133371, AC002432, AL049839, AC007225, AC005330, AC004841, AC002365, Y10196, AC004408, AC005212, AL022240, AC005332, AC005514, AL033527, AL049643, |
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AL049694, AC005048, AC005902, AC010205,
AC004383, AL049553, AC004148, AF064866,
AC003982, AF196779, AL049641, AC008041, L44140,
AF095901, AL050404, AL031293, AF207550,
AJ003147, AC005778, AC003101, AC005695,
AL121652, AC006359, AL024498, AP000113,
AC003107, AP000352, AC000026, AC004675,
AL020997, Z83844, AL035425, AC000359, AC007666,
AL008582, AL049569, AC006115, AP000130,
AP000208, AC005209, AC003036, AC005632,
AC006455, AP000247, AL023879, U91318, AF088219,
U95739, AC005971, Z95115, AL034377, AC004804,
AL049780, Z69715, AP000304, AL109827, AF067844,
AL031311, AC000031, AF053356, AC006965,
AC006312, AL022165, AC003002, AC007021,
AC004081, AC007350, AC005102, AF124523, Z69890,
D84394, AC005943, AC003973, AC004685, AC007014,
AC004797, AL035405, AC005355, Z98051, AC008078,
AC004796, AC004447, AC004815, AC006211,
AC005015, AC007686, AC004638, Z73988, AC004230,
Z84466, AC004883, AC007688, AC007707, AC012085,
AL049538, AL050347, AC009330, AC004583,
AL117330, AC008372, AC005726, AC007376,
AC005225, AC003692, AL035697, AC000025,
AC005156, AL031774, AL035455, AL133163,
AC004079, AL022719, AC002115, AC004819,
AC004000, AC004477, A51133, A76958, AC002350,
AC007546, AC008040, AC002996, AC003043,
AC005907, AC005519, AL121782, Z98742, AP000030,
AC005365, AL008729, AF217403, AL132985,
AC005562, AC004890, AC006948, AC002551,
AC004185, AC005844, AL035403, AC004539,
AP000115, AP000695, AC009247, AL031730,
AC002429, AL109963, AL033523, AC000112,
AC007263, AL133245, AL031053, AL021397,
AC002072, AF134726, AL031659, AC012627,

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| 1818 | HSDZB30 | 877205 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 807 of SEQ ID NO:1818, b is an integer of 15 to 821, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1818, and where b is greater than or equal to a + 14.</p> | <p>AL122020, AL021154, AC005666, AL136295, AC002504, AL080317, AC006111, AC004526, AL049871, AL009179, AL022721, AL031587, AC011331, AC005874, AF134471, AF109907, AC005969, AC006160, AL133244, AC002550, AL022313, AI632057</p> <p>AA129439, AA425398, AI381416, R17127, AI418660, AA314750, F32787, AI590092, AW021547, AA151302, Z42142, AA904204, U77327, AF064105</p> |
| 1819 | HWLWH5 6 | 877206 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 356 of SEQ ID NO:1819, b is an integer of 15 to 370, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1819, and where b is greater than or equal to a + 14.</p> | <p>AI989601, AC005593</p> |
| 1820 | HWLOT46 | 877207 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 388 of</p> | |

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| 1821 | HOVCR67 | 877208 | SEQ ID NO:1820, b is an integer of 15 to 402, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1820, and where b is greater than or equal to a + 14. | |
| | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 334 of SEQ ID NO:1821, b is an integer of 15 to 348, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1821, and where b is greater than or equal to a + 14. | |
| 1822 | HLHSV54 | 877211 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 498 of SEQ ID NO:1822, b is an integer of 15 to 512, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1822, and where b is greater than or equal to a + 14. | |
| 1823 | HSYBZ84 | 877212 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 926 of | AA922141, AA505358, AA515537, AI439152, AA603688, AI279253, AI003069, H09774, R61798, N46444, N48945, R45147, Z45425, R55783, R43907, R14995, AA348815, AB032971 |

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| 1824 | H2LAC34 | 877213 | <p>SEQ ID NO:1823, b is an integer of 15 to 940, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1823, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 488 of SEQ ID NO:1824, b is an integer of 15 to 502, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1824, and where b is greater than or equal to a + 14.</p> | <p>AA304651, AI372785, AA496464, R09787, D59627, C16955, D45273, D80168, D52291, D51213, T03048, D59695, C14298, D51079, D80949, D80258, Z33452, AW360780, D59503, C14407, D58246, D80014, C14227, D80064, AI535686, D81111, T11417, T02974, AW377669, D58101, D52059, H67854, D59317, D80038, H67866, AI525216, AI525228, AA809122, AA305578, D50979, D80195, D52317, C15076, D80193, D80251, D59551, C06015, D81026, D80269, D80022, D59467, D80164, D59275, D80045, D80227, D59502, AI557774, D80302, C14389, AW377661, F13647, D51423, D58283, D80166, AI557751, D80439, T03116, D81030, D80188, D57483, C03092, D80043, D80157, D51103, D59859, C14331, D80212, D80268, D80366, D59889, C14973, D80196, D59619, D80133, D80247, D51022, D80210, D51799, D80391, D80240, D80253, D80219, D59787, D50995, AA305409, C04682, D80024, C14344, Z21582, D59474, AI525969, D80248, D59610, C14014, D51221, Z30160, D80522, AA514188, T02868, D59927, D31458, D80378, AI525238, C13958, H67858, AI525242, D45260, AA514186, AI525923, AI525227, D80241, AA514184, AI525978, AI525912, AI535961, C05763, AI525235, AI525920, AI525917, AI525215, T11191, AI525237, AI525903, AI525922, AI525907, AI525925, AI525914, AR016808, X64588, AB010386, AR060385, AJ132110, AB028859, AB019242, A82595, A84916, AB002449, I14842, I79511, AR008278, U37689, I81198, A62300, A62298, AR054175, AR008277, AR008281,</p> |
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| 1825 | HCQAE29 | 877214 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 627 of SEQ ID NO:1825, b is an integer of 15 to 641, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1825, and where b is greater than or equal to a + 14.</p> | <p>AR018138, AF058696, A47134 AA505138, AA730263</p> |
| 1826 | HCRMV19 | 877215 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 433 of SEQ ID NO:1826, b is an integer of 15 to 447, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1826, and where b is greater than or equal to a + 14.</p> | <p>N72981</p> |
| 1827 | HWLMF31 | 877218 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 576 of SEQ ID NO:1827, b is an integer of 15 to 590, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1827, and where b is greater</p> | <p>AI806805, AA909734, AI205805, AI208930, AI023837, AI024558, AA808303, AI239842, AA904642, AI200741, AA861427, AI808962, AA971918, AA806642, AC004542</p> |

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| 1828 | HFIIZ28 | 877220 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 411 of SEQ ID NO:1828, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1828, and where b is greater than or equal to $a + 14$.</p> | AA812688, AI418599, AI151240, AI808902, AI379148, AA878931, AI241082, AA938582, AI913473, AA194942, N30395, AA523704, AI379226, AI886468, AI472706, AI336385, AI287668, AA742997, AI754786, AW085594, AA876827, AI283450, AL044439, AA180129, AA525768, AA282183, AA628042, AA627935, AA916288, AI339391, AI289442, AL034430 |
| 1829 | HCQDK28 | 877222 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 368 of SEQ ID NO:1829, b is an integer of 15 to 382, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1829, and where b is greater than or equal to $a + 14$.</p> | N75183, AI366031, F12542, T74151, AC012627 |
| 1830 | HHEQI29 | 877229 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 818 of SEQ ID NO:1830, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1830, and where b is greater</p> | AA446316, AA446497, AI198963, H38387, AI444827 |

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| 1831 | HTWFA44 | 877230 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 576 of SEQ ID NO:1831, b is an integer of 15 to 590, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1831, and where b is greater than or equal to $a + 14$.</p> | <p>AI948974, AW150262, AW005687, AI805463, AI760052, AW130854, AI092715, AI561048, AI417784, AA846295, AI027808, AI073757, AI034006, N33620, AI215790, AI393040, AI022090, H95228, AI401833, AA771890, N92602, AW103347, AA496978, H95430, AA747344, AW183814, F22014, N56754, AI942322, AI313099, AA040794, AI470290</p> |
| 1832 | HOCMF20 | 877231 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 3252 of SEQ ID NO:1832, b is an integer of 15 to 3266, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1832, and where b is greater than or equal to $a + 14$.</p> | <p>AL135440, W20119, AI810591, AI089310, AA044704, AA099241, AI806853, AA039903, AI420778, AI151415, AI093762, AI982907, AI871680, AI076492, AA099143, AI246659, AA041527, AA477336, AI188305, AI088688, W87880, W80803, AA479648, AW291739, AI023926, AI215789, AI768938, AA669926, AA523605, AA313436, AI452952, AI569996, AI354883, R61620, N72558, AW013938, W92312, AI168582, N33871, AI189869, W45147, AI151417, AI280515, W92299, AI379400, AA406620, AI636575, AA214649, W81054, AA748471, AA705551, AA723161, R70656, AI086670, C17933, AA830207, AW262560, W02383, AA906264, AA056377, AA040375, AI276236, AI141343, AA868115, AA862839, AI275375, H10905, AA129975, R80462, W45096, AA846612, AA847843, W87765, AA411692, AA369318, AI309745, AA359784, AA398795, AA044640, AA334622, AA367594, AI478815, AW054686, Z44983, AA367593, AI990089, R01145, AI954539, AI990659, AA379173, Z40721, AI886597, AI024032, R60952, AA670197, AA435840, AW389160, AA847919, R80663, AA056474, AA248230, N81095, AI206251, AI476295, AA211075, AI619485, N90439,</p> |

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| 1833 | HWMBOS 0 | 877232 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 844 of SEQ ID NO:1833, b is an integer of 15 to 858, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1833, and where b is greater than or equal to a + 14. | R05760, AA079305, W07456, AA079306, AA847920, AW387693, AI925404, AI689470, AI953765, AI470293, AA806719, AA631120, AI889818, AI274527, AI249962, AI932739, AI888621, AI365256, AI679095, AW149876, AF003626, Y10043, AF022465, Z83826, Z93931, AC002526, Y10044, AC005479, AL024505, AL034450, AC002375, AL049709, AL035420, AF047701, L05085, AC004493, AF026008, Z20724, Z20735 |
| 1834 | HCQBD64 | 877233 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 283 of SEQ ID NO:1834, b is an integer of 15 to 297, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1834, and where b is greater than or equal to a + 14. | AI289115, AA653396, AI280875, AW439596, AA147044, AI683907, AI186619, AW191991, AI422310, AI653662, AA825197, AA854077, AA916637, AA810755, AI624228, AI763289, AA449797 |
| 1835 | HATAP30 | 877234 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AW008122, AC005021, L48431 |
| | | | | AI828084, AW292950, AI955290, AI425012, D54798, AA101714, AA661732, AI082095, AI433898, N78571, AA563807, AI457762, AA460668, AA101715, |

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| 1836 | H2LBB51 | 877235 | <p>nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1244 of SEQ ID NO:1835, b is an integer of 15 to 1258, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1835, and where b is greater than or equal to a + 14.</p> | <p>AI148116, AI276830, AI378227, AI148121, AI082653, AI972872, AA631712, AI272196, AA603075, AI018047, AI453834, AI223254, AI026628, AW298807, AI280067, AI378917, T19338, T33356, AA761507, AI272883, R51104, AA644592, T03688, AI274939, AI268664, AI690246, T33873, N52587, AA461016, T32236, AA464590, AA693417, AI470644, F09140, F10434, H06959, H22931, AA318879, T15930, AL120494, AA371748, N75010, R41316, R41317, AI834293, D81373, AA767242, AW386979, R42324, T33358, T33357, AI366186, T27271, W01584, AI700577, AI767391, AI760808, W26393, W07166, AA861382, AI816326, AI291384, AI913952, W05753, AA488932, AA411945, T09288, R11766, H24112, AW293062, AI277039, R18459, R18460, AI302024, F12831, AB002385, AC006372, U66702, U81561, U65065, U73458, A63346, A63355, AF007555, Y08569, A63357, U91574, U82439, U57345, Z50735</p> |
| | | | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 747 of SEQ ID NO:1836, b is an integer of 15 to 761, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1836, and where b is greater than or equal to a + 14.</p> | <p>AA316077, AW407693, R35424, AL121134, AA356852, F12867, AA776842, AW163365, M74089</p> |
| 1837 | H6EDT19 | 877237 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a</p> | <p>AA402106, AI734033, AA401995, AI821646, AW438634</p> |

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| 1838 | HWLOW8 7 | 877240 | is any integer between 1 to 911 of SEQ ID NO:1837, b is an integer of 15 to 925, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1837, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 528 of SEQ ID NO:1838, b is an integer of 15 to 542, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1838, and where b is greater than or equal to a + 14. | W53026, AF180919 | |
| 1839 | HWLMB22 | 877242 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1839, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1839, and where b is greater than or equal to a + 14. | W92133, AL035400 | |
| 1840 | H2CBA14 | 877247 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AA307110, AI791261, N36579, D80195, D59467, D80164, C15076, D80227, D80269, D59275, D59502, D58283, D59859, D80022, C14331, D80166, D51799, D51423, D59619, D59610, D80210, D80391, D80240, D80253, D80043, D59787, D81030, D80038, | |

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| <p>is any integer between 1 to 501 of SEQ ID NO:1840, b is an integer of 15 to 515, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1840, and where b is greater than or equal to a + 14.</p> | <p>AA305409, D80378, D80212, D80366, D50979, D80193, D80196, D80188, D80219, D59927, D57483, D50995, D59889, D80241, C14389, D80024, D80045, T03269, C75259, AW178893, D51022, C14014, AW378532, AW178775, AI732942, AA305578, AW179328, D80134, AW177440, D81026, D51250, D80302, D80251, AA514188, AW352158, D80248, D80522, F13647, D80268, AW378540, D80168, AW178762, C14298, D58253, AW177501, AW177511, D80064, D80133, AW352117, C14227, C14407, Z21582, AW377671, D81111, AW360834, AA514186, AW360811, AW375405, D80132, D80439, AW366296, D80247, AW360817, AW375406, AW178905, AW378534, AW352171, AW179332, AW377676, AW377672, AW179023, AW178906, AW178754, AW179024, AW178907, AA285331, AW179020, AI557751, AW177456, C06015, D51097, AW352170, AW177731, D51103, AW179019, AW179018, T03116, D80157, AW378528, AW178908, AI557774, AW352174, AW178914, AW178781, AW378543, AW378525, AW352163, D80258, AI525923, D80014, T48593, D59627, AW178774, AW378539, D45260, AA809122, T11417, H67866, D45273, C03092, H67854, AW367950, AI525227, D51213, AW178986, D59317, D59503, T02974, D58246, C14973, AI525917, AW179013, T03048, C14344, AW378533, AI535686, D51221, D59474, AI525920, D59551, AA514184, D58101, Z30160, H67858, AI525925, AI525235, AI525242, T02868, Z33452, AI525239, C16955, AI525912, AI525237, AI525215, AW378542, C13958, D31458, A84916, AJ132110, A62300, A62298, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, AF058696, D88547, AR008278, AB028859, X82626, AR025207, A82595, Y12724, A94995, AR060385, AB002449, AB012117, AR066482, X68127, AR008443, A85396,</p> |
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| 1844 | HFIYJ63 | 877255 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 536 of SEQ ID NO:1843, b is an integer of 15 to 550, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1843, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 312 of SEQ ID NO:1844, b is an integer of 15 to 326, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1844, and where b is greater than or equal to a + 14.</p> | ALI35394, W87908, AB002331 |
| 1845 | HWLOW5 1 | 877256 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 563 of SEQ ID NO:1845, b is an integer of 15 to 577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1845, and where b is greater than or equal to a + 14.</p> | H23330, AI796906 |
| 1846 | HHFBA07 | 877257 | Preferably excluded from the | AW130559, AA604942, AI125644, AI703464, |

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| 1847 | HWLDOS1 | 877258 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 718 of SEQ ID NO:1846, b is an integer of 15 to 732, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1846, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 302 of SEQ ID NO:1847, b is an integer of 15 to 316, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1847, and where b is greater than or equal to a + 14.</p> | <p>AW103052, AI391708, AI452537, AI460380, AI050784, AI949725, AI052071, AW237646, AI538701, AI435508, AA621302, AA233121, AI348838, AI339780, AI800246, T67212, AI144461, AW130699, AA527371, AW205441, AA346401, AI247525, AI352551, AI651506, AA707110, R46530, AI927033, AI560516, R46529, AI918364, N75541, R51933, R72231, H45846, T67213, AA627945, N40063, AA233205</p> |
| 1848 | HLSAE05 | 877261 | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 703 of SEQ ID NO:1848, b is an integer of 15 to 717, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1848, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 302 of SEQ ID NO:1847, b is an integer of 15 to 316, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1847, and where b is greater than or equal to a + 14.</p> | <p>AA307126, Z99396, AW392670, AW372827, AW384394, AW363220, AL119335, AL119497, AL119443, AL119522, AL119319, AL119363, AL119496, U46341, AL119457, AL119324, AL119483, AL119484, AL119391, AL119341, AL119355, U46350, U46349, AL119396, U46351, AL119418, AL036418, AL038837, AL037051, AL036725, AA631969, U46346, AL119444, U46347, AL042614, AL042965, U46345, AL134518, AL036858, AL134533, AL042970, AL134524, AL119439, AL037205, AL134528, AL042975, AL119401, AI142137, AL119399, AL036924, AL042984, AL042551, AL134538, AL042433, AL042995, AL119320, AL042850, AL119488,</p> |

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| 1849 | HCRPJ05 | 877263 | | | AL038509, AL042450, AL043019, AL043029, AL037085, AL042544, AL042542, AL042896, AL037094, AL037526, AL036196, AL037639, AL119304, AL043003, AL036268, AL037082, AL036767, AL037077, AL036190, AL119464, AL036774, AL038520, AL036998, AL038851, AL038447, AL036733, AL037178, AL036238, AL036719, AL037615, AL037027, AL036765, AL036191, AL036679, A81671, AR060234, AR066494, AR023813, AR064707, AR069079, AR054110, AB026436 |
| | | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 349 of SEQ ID NO:1849, b is an integer of 15 to 363, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1849, and where b is greater than or equal to a + 14. | |
| 1850 | HCYBD05 | 877264 | | | AA305049, N50596, AL120893, U55937, U81001 |
| | | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 522 of SEQ ID NO:1850, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1850, and where b is greater than or equal to a + 14. | |
| 1851 | HKLSD44 | 877272 | | Preferably excluded from the present invention are one or more | AI183955, AW136574, AI654355, D13902, D13897, L25648, AC007993, D13899, M17523, S57220, |

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| 1852 | HFIXP45 | 877274 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 522 of SEQ ID NO:1851, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1851, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1991 of SEQ ID NO:1852, b is an integer of 15 to 2005, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1852, and where b is greater than or equal to a + 14.</p> | <p>L37369, Z58904</p> <p>U69202, AI341555, AI808490, AI347923, AA903736, AA210763, AI139380, AI631374, AA129554, W70085, AI648656, AA932877, AA136568, R39447, F09386, AI351322, AW001825, T77200, F11728, T09089, T10129, H17528, T10128, AI867156, R59448, R59388, AI868687, Z19406, AI474036, Z42465, Z28503, Z38662, F06906, F04874, R13169, H17840, AA348361, R13170, Z45682, AB000814, D89722, U50415, AF044288, AB000812, AB000813, AB012600, U51627, AF015953, AB012601, AB015203, AB012602, AB014494, AF070917, AB000815, AB000816</p> |
| 1853 | HAQNS64 | 877275 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1853, b is an integer of 15 to 566, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1853, and where b is greater than or equal to a + 14.</p> | <p>AC005740</p> |
| 1854 | HCQDG09 | 877280 | <p>Preferably excluded from the present invention are one or more</p> | <p>N99659, AW404075, AA469906, AI142357, AI142321, AA316159, N42495, R57922, Z59290</p> |

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| 1855 | HCQCP81 | 877281 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 236 of SEQ ID NO:1854, b is an integer of 15 to 250, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1854, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1145 of SEQ ID NO:1855, b is an integer of 15 to 1159, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1855, and where b is greater than or equal to a + 14.</p> | <p>AI207647, AI065109, AI207735, AI133231, AI065011, AI133300, AI110723, AI132917, AI064699, AI114870, AI064757, AI133022, AI207442, AI133620, AI174820, AI132979, AI207715, AI110641, AI133496, AA293047, AL047029, AA401001, AA477957, AI827434, AL119430, AA533278, AA149787, AI749240, AA477922, AA876525, AA618213, C17649, AA663700, AW082028, AI267206, AA563936, AI557108, AI951094, AA516319, C18953, AA654914, AA534001, AA633948, AA554486, AA196910, AA554113, AI041814, AI174849, AA595757, AA149676, AI536097, AA214075, AA548841, W29121, AI133692, AA576110, AA983610, AI267350, AA502430, AA458987, AA161230, AL043123, AA548336, AA555071, AA664569, AW073785, C17145, D51211, AI535890, AI253388, C18535, C18706, AA783018, AA410807, AA583220, AA578683, AA886497, AA758834, AI524899, AA179156, AI133161, AA224754, AA192604, AA595503, AA512996, AA897022, AA514885, AA100351, AA293439, AA400969, AA911976, AA604469, AA654272, AA197149, AA580161, AA889892, AA566006, AA908677, AA095070, AI524960, AW368638, AA579806, AA235499, AA576180, AA834302, AA587814, AI535677, AW368637, AA400809,</p> |
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| | AA079632, AA593495, AA617685, AA653974, AA523492, AA725126, AA428850, AA464752, AA507391, AA291811, AA214074, AI025574, AA834333, C18039, AA143135, AI910010, AA508758, AA527764, AA225751, AW373400, AA481923, AA582805, AA923266, AA554801, AA886075, AA908596, AA938043, AA879019, AA526743, AW378088, AA554076, AA090685, AA985612, AA595582, AA112939, AA564658, AA431814, AA401126, AA492096, AI954125, AA709167, AA171612, AA086336, AA532797, AI783446, AA576154, AA470370, AI910011, AA583092, AA564029, AW371295, AA680242, AW070565, AA679139, AI910004, AA620694, AA091624, AA086135, AA453608, AI133009, AA886562, C03930, AA464751, AA094464, AA194368, AI015676, AA176484, AA877931, AI936914, AA992091, AA708229, AA551520, AA694521, AI680484, AW175960, AA934835, AW371871, AA079806, AA650245, AA724218, AI620133, AA568749, AI525240, AA456614, C03144, R28950, C18721, AW362558, AA506494, AA095478, AA649597, AA534145, AA630561, AW178904, AA632764, AA702642, AA196736, AA916453, AA181000, AA127860, AA214682, AA640699, C15091, AW382590, AA210666, AA249278, AA464045, AA194421, AA216167, AA492256, AA921332, AW364429, AW373695, AW373663, AI253336, AW373685, AI832579, AW364463, AW364399, AA554414, AA159642, AI004318, H01671, AI862143, AI908712, AI052019, AI565446, AW367539, AW178905, AA193076, AI953931, AI708040, AA714432, AW383933, AI833081, AA090224, AI935127, X62996, X93334, M10546, V00662, J01415, D38112, AF134583, AF014882, AF014883, AF014888, AF014889, AF014890, AF014892, AF014897, |
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| 1856 | HLHEI46 | 877282 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 922 of SEQ ID NO:1856, b is an integer of 15 to 936, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1856, and where b is greater than or equal to a + 14.</p> | <p>AF014898, AF014901, AF014893, AF014894, AF014899, AF014891, AF014895, D38116, D38113, X93335, AF014903, AF014904, AF014917, AF014910, AF014920, AF014908, AF014913, X93347, AF014905, AF014916, AF014906, AF014907, AF014909, D38114, AF014902, AF014919, X97707, D38115, D38484, X99256, X89843, U95646, X14848, X59268, S75895</p> <p>AI669644, AI925693, AA548892, AA233718, AI961715, AA974649, W16617, AI092738, AW207722, AA233142, T64223, N79582, M27717, M73720, S40234, J05118, U67914, M73718, M73719</p> |
| 1857 | HCROB02 | 877283 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 520 of SEQ ID NO:1857, b is an integer of 15 to 534, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1857, and where b is greater than or equal to a + 14.</p> | <p>AL043619, AI632642, AI168748, AI376972, AI925713, AI703467, AI681157, AI279540, AI521713, AI888798, AA420977, N40163, AW235376, AW027303, AI581196, AI274962, AW080693, AI082185, AA437229, N51345, AW337551, AA761745, AA747627, H97971, AW440981, AA129415, AA514752, AW338816, AI264914, AW367007, AL041883, AI332872, AA768454, AA720670, AA281119, N67945, AI358787, AI978861, D62242, R55623, AA837971, AA835005, D61857, AI640690, AI695207, AA832003, AI701314, D62442, AA741386, AW297680, AI453837, AI335195, AI079445, N23185, AA843537, AI923841, AI651407, AI569072, AW070934, D63021, AI990693</p> <p>AI633741, AI017113, AA305124, AA227077, X58531</p> |
| 1858 | HFKIN68 | 877284 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | |

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| 1859 | HWHGC93 | 877285 | <p>the general formula of a-b, where a is any integer between 1 to 1716 of SEQ ID NO:1858, b is an integer of 15 to 1730, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1858, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 876 of SEQ ID NO:1859, b is an integer of 15 to 890, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1859, and where b is greater than or equal to a + 14.</p> | <p>AW275818, AI969511, W68529, AA627916, AW275825, W68815, AI375939, H42716, AI611676, R48249, AA642987, AA631033, R73789, AI800001, AW452308, AW117862, AI474539, AI220853, AA730105, AA933672, H25944, AI745535, AW276480, D29313, AW381131, AW380949, C00410, AW381579, AW381130, AI220849, H25979, AA368136, AL035408</p> |
| 1860 | H2CBC75 | 877287 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1860, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1860, and where b is greater than or equal to a + 14.</p> | <p>D83865, AA307061, AI400071, AA129911, D80268, D51060, C14389, C14014, D80522, F13647, D81026, AW177440, Z21582, D81111, AW177501, AW177511, C14227, D58283, D80043, T03116, D59610, AA305578, D80022, C14331, D50979, AW369651, AW178986, D80168, D80247, AA285331, D51022, D80038, AA514188, AA305409, D59859, D80166, D50995, D80195, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D59787, D80227, D59502, D80439, D80241, D80014, T11417, D81030, AW352117, D80188, D80269, D80024, D80212, D80366, D80196, D59653, D80219, D57483, D59927, D80248, AA514186, D51103, C15076, D80064, D59889, D80193, C14429, T03269, AI557751, AW352120, D80045, D80133, D80378, D51759, D80302, AW178762, C14407, D80157,</p> |

AW360811, AW377671, AW178893, AW177734, D80251,
AW378540, D52291, AW178759, D59373, C75259,
AW378533, AW375405, AW360844, C14077, D59627,
T02974, C06015, C14298, AW178906, H67866,
AW179019, D51213, AW179328, C05695, AW366296,
AW378539, AW360817, AW179020, T48593, AW378532,
AI525923, AW375406, AA809122, AW378534,
AW352171, AW179332, AW377672, AW179023,
AW178905, AW177731, AW378528, AW178754,
AW179024, AW377676, D45260, AW177505, AW178775,
C03092, AW360841, AW352170, AW352158, D51250,
AW178909, AW177456, AW179004, AW178907,
AW178908, H67854, AW179018, AW178971, AW360834,
C05763, C14344, AW367950, AW179009, D60010,
AW179012, AW178980, AW178914, AW178774,
AW178781, AW177733, AW378543, D80258, H67858,
D59474, D58246, C14973, C14957, AI525917,
AI525227, D59317, D58101, D59503, D51221,
AW178911, AW378525, C14046, AW352163, AI557774,
AI525920, AA514184, AW177728, AI535686,
AW179013, D60214, AI525235, D59551, C16955,
T03048, AI525925, AI525215, Z33452, AI525912,
D45273, AI525242, Z30160, AW378542, C13958,
AI525237, AI905856, AI525222, T02868, AW360855,
D80654, D52317, D31458, AB002804, D86959,
D88425, AJ132110, AF058696, A62300, AB028859,
AR008278, A84916, A62298, AR018138, A82595,
AR060385, AB002449, I50126, I50132, I50128,
I50133, X68127, AR060138, AR016514, X67155,
Y17188, D26022, A25909, A45456, A26615,
AR052274, A94995, AR054175, Y12724, AR066488,
A67220, D89785, A78862, D34614, Y09669, A43192,
A43190, AR038669, AR008443, AR066487, A30438,
I14842, Y17187, D88547, AR008277, AR008281,
A70867, D50010, A63261, X82626, AR062872,
AR016808, AR008408, AR025207, AR016691,

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| 1861 | H2LAW79 | 877288 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 829 of SEQ ID NO:1861, b is an integer of 15 to 843, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1861, and where b is greater than or equal to a + 14.</p> | AR016690, U46128, A64136, A68321, AR060133, I79511, D13509, AF123263 AA315705, AA329923, D80268, AA305578, D59502, D80164, D50979, C06015, C14389, D80038, F13647, D59275, D80195, AW178759, D80188, D59467, D80227, AW178986, AA514188, D58283, D51799, AA305409, D51022, D59859, D80043, D80022, C14331, D80166, D50995, D51423, D59619, D80210, D80391, D80240, D80253, D59787, C15076, D80269, D81030, D80378, D80212, D80193, D80196, D80219, AA514186, D81111, AW378533, D59927, T03116, D80045, D81026, D59610, D57483, C14227, D80439, D80522, D59889, T03269, D80024, D80247, AW177440, D51103, D80248, D80241, D80366, D80302, C14014, Z21582, D59695, AW178893, D80133, AW178906, D52291, D80064, D80157, AW377671, AA285331, AW352117, D80251, C14407, AW360811, D80168, D80014, AW375405, AW179332, C14298, AW179328, D59503, AW178754, AW179019, AW378532, AI525923, AA809122, AW366296, AW360817, D59317, AW352120, AW179020, D45260, AW375406, AW377676, AW378534, AW352171, T48593, AW377672, AW179023, AW178905, AW177731, D51250, AW178762, AW179024, AW178971, C03092, AW378528, H67854, H67866, T11417, D59627, AW177456, AW179012, AW178907, AW178908, AW179018, D80258, AW378540, AA514184, AW360834, T02974, C14344, AI525917, AI557774, D58246, D59551, AW179013, D51221, C14973, AI535686, AW367950, AW178914, AW178774, AI525227, AW378543, D59474, AI525920, AW378539, D31458, H67858, AI525925, D51213, D58101, Z30160, AW378525, AW352163, AW178781, D45273, AI525242, AI525235, AI557751, T02868, C16955, C14077, AI525912, Z33452, AI525903, AW378542, AI525215, C13958, AA305720, AI525237, T03048, Z86064, AL049679, AJ132110, A84916, |
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| 1862 | HCE2C40 | 877289 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 250 of SEQ ID NO:1862, b is an integer of 15 to 264, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1862, and where b is greater than or equal to a + 14.</p> | <p>AB028859, A62300, A62298, AR018138, AR060385, I50132, A82595, AR008278, AF058696, AB002449, Y09669, I50126, I82448, I50128, I50133, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, AR016514, Y12724, A94995, AR060138, A45456, A26615, AR052274, I14842, A43192, A43190, AR038669, AR066488, AR066487, AR054175, A30438, AR008443, X68127, D88547, Y17187, A63261, X82626, AR008277, AR008281, D50010, AR025207, AR062872, A70867, AR016808, AR016691, AR016690, I79511, U46128, AR008408, A64136, A68321, AR060382, D13509, AR060133 AC005368, AF059650</p> |
| 1863 | HMC DH54 | 877290 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1868 of SEQ ID NO:1863, b is an integer of 15 to 1882, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1863, and where b is greater than or equal to a + 14.</p> | <p>AL133778, AW408536, AA397575, AA399688, AA725429, AA324765, AA321795, AW243558, R86033, AW271180, H65207, AL134927, AB032995, AB018253</p> |

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| 1864 | HTPFG64 | 877295 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1912 of SEQ ID NO:1864, b is an integer of 15 to 1926, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1864, and where b is greater than or equal to a + 14.</p> | <p>AW268628, AW408344, AI042425, AA286908, AI093993, AW316896, AI339306, AA736991, AI271364, AI539564, AA287969, AI689236, AI240770, AA035024, AA035512, AA804433, AW001846, AI191237, AI161031, AI015252, AW192454, AI817128, AI867530, AA557231, AI452866, AA804383, AL043242, AA627583, AA809613, T27814, M30818, M33883, AC004497</p> |
| 1865 | H2CBQ45 | 877298 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1865, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1865, and where b is greater than or equal to a + 14.</p> | <p>AW263526, AA457032, AW136358, AA828242, AA313271, AL078644</p> |
| 1866 | HCQAD77 | 877299 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 335 of SEQ ID NO:1866, b is an integer of 15 to 349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1866, and where b is greater than or equal to a + 14.</p> | |

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| 1867 | HKLSB60 | 877301 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 522 of SEQ ID NO:1867, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1867, and where b is greater than or equal to a + 14.</p> | <p>AA225376, AA226684, T94384, R73816, R73841, AA002207, AA225124, AA225347</p> |
| 1868 | HLHTC92 | 877310 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 839 of SEQ ID NO:1868, b is an integer of 15 to 853, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1868, and where b is greater than or equal to a + 14.</p> | <p>R66025, R76969, AW043721, AA553904, AI417134, R58054, U77970, AR059959, U51625, U77969, AR059960</p> |
| 1869 | HWLXP93 | 877319 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1232 of SEQ ID NO:1869, b is an integer of 15 to 1246, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1869, and where b is greater than or equal to a + 14.</p> | <p>AL119992, AI968101, AI806911, AI656159, AI299706, AI918763, AW021370, W49735, AA805636, AA906238, AA884471, W49632, T77508, AW190697, AW020878, AA812095, AA805395, AI767210, H08971, AA909382, AA325979, AA805574, AI911384, AI520787, AC007239, U79290</p> |

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| 1870 | HUKBC55 | 877320 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 119 of SEQ ID NO:1870, b is an integer of 15 to 133, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1870, and where b is greater than or equal to a + 14.</p> | AA299388 | |
| 1871 | HE9FH60 | 877321 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 408 of SEQ ID NO:1871, b is an integer of 15 to 422, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1871, and where b is greater than or equal to a + 14.</p> | AC005037 | |
| 1872 | HHEFC89 | 877324 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 615 of SEQ ID NO:1872, b is an integer of 15 to 629, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1872, and where b is greater than or equal to a + 14.</p> | | |

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| 1873 | HCEOF08 | 877326 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1393 of SEQ ID NO:1873, b is an integer of 15 to 1407, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1873, and where b is greater than or equal to a + 14.</p> | <p>N20930, AL135016, AL134824, AA702162, C03031, AW172587, AI139490, AW057590, AI809330, AI521171, N27797, AI953095, AI307324, AA705112, AA969165, AA284734, AA325231, AI219990, AA287154, C03026, AI122656, AA772255, AA782094, AW073074, AI685711, AW192900, AI659385, AA044259, AW451578, AI001129, R28506, R28654, AW296185, AA044143, AF034374, AJ224328</p> |
| 1874 | HLHBZ17 | 877327 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 693 of SEQ ID NO:1874, b is an integer of 15 to 707, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1874, and where b is greater than or equal to a + 14.</p> | <p>C15947, H86703, AA359866, D61503</p> |
| 1875 | HWLRP86 | 877329 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 251 of SEQ ID NO:1875, b is an integer of 15 to 265, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1875, and where b is greater than or equal to a + 14.</p> | <p>AI093660, AW327590, AA706690, AW296986, AA156871, AA243570, AA394118, AA402938, AI870692, AI635237, AI139325, AI286284, AW298025, AI830613, AA736608, AW008771, AW004643, AI277887, AI040732, AA628965, W93926, AI352001, AA954225, AI278572, N33931, AI128499, W46369, AI159880, AI362660, AI350268, AA622742, AA887292, AI276858, AA250840, AA437277, AA039774, AI242916, AI187707, AA804951, AI277891, N63418, AA557131, AA662472, AI251864, AI097294, AA991440, H99028, AI572652, AI610660, AA055193, AI378407, AA719806, AI423797,</p> |

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| 1876 | HISEQ81 | 877331 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1876, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1876, and where b is greater than or equal to a + 14.</p> | AA729670, AA446337, AI311820, W81234, AI300798, AA156771, AA447436, AI189310, AA664607, AI091132, AI589143, AA918355, AA929050, AI095636, AA563972, N39264, N62211, AA936816, AA932784, AI868453, AW088157, AA970862, R77959, AI205800, N32013, AI582264, AI376345, AI224485, AI274254, AI334251, AI401393, AI079459, AI091021, AI277813, C14412, AI626008, AI279571, R26078, D80204, AA621068, AI400442, R80543, AI479083, AA641535, AI378637, W81271, W81215, R62807, H00547, C14369, AI784466, AI160567, AI160569, C14400, AI926459, C14352, AA442355, C14220, C14335, AA687810, C14509, AA907451, AW025906, AA459765, AL040127, AF125099, AR029580, AF194030, AL133075, S77771, AF114784, AL137429, AL117443, AF207750, AL133645, U67958, S78453, AL137554, Z30970 AA251070, AA663366, AL035663, AC008085, U85196, AE000660, AC004707, AC006023, AF045450, AL133247, AC004897, AL031390, AF135487, Z83850, AF121782, AL109922, AL034410, AC007567, AC007043, AB026898, AP000500, AP000027, AC000064, AC007566, AL031775, AL023581, AC004381, AL022069, A60169, AC023172, AL008629, AF072497, AC009946, A60201, AC004020, AF072499, AF064860, AF072501, A60173, A60168, AB024464, AB024472, AB024457, AB024458, AB024460, AB024479, AB024484, AB024488, AB024459, AB024469, AB024471, AB024478, AB024481, AB024462, AB024467, AB024463, AB024470, AB024473, AB024475, AB024474, AB024482, AB024476, AB024465 AA779795, AI808514, AA632293, AW263707, AI264254, AI573067, AI268002, AA983452, AI863711, AI434573, R38583, N66320, AA297783, AA889997, AW020741, AW084236, AI961833, |
| 1877 | HWLWA0 7 | 877332 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | |

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| 1878 | H2CBS31 | 877333 | <p>the general formula of a-b, where a is any integer between 1 to 636 of SEQ ID NO:1877, b is an integer of 15 to 650, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1877, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 707 of SEQ ID NO:1878, b is an integer of 15 to 721, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1878, and where b is greater than or equal to a + 14.</p> | <p>AW409834, AI914107, R37238, AI202244, AW050863, AI656365, AA318265, Z39970, AI767672, AA757332, AI557697, AI547137, T69960, AI541216, AI535787, AI547038, AI557382, AI541533, AL122101, AL008582, AL035659, U44059, U06935, Y11149, AJ132931</p> |
| 1879 | H2CBN88 | 877334 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 550 of SEQ ID NO:1879, b is an integer of 15 to 564, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1879, and where b is greater than or equal to a + 14.</p> | <p>AI248204, AA677184, AI380963, AA284845, AW081587, T18597, AI525556, AI557084, C14322, AI541205, AI525500, AI557533, H65400, AW023216, AI557082, AA308485, AI541321, AI557731, AI557238, AI557263, AI557602, T69960, AI541034, AI557258, T61541, AI557697, AI535813, AI525856, AI557543, AI541027, AI535994, Z66121, AR050070, A62298</p> <p>AA054379, AA307842, AA018519, AI581828, A59459, A59517, AF048695, U52377, A59470, U53138, A59468, U52375, A59469, U52376, A59466</p> |
| 1880 | HWL0K01 | 877336 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AI287235, AA587620, AA729307, AI821703, AI698647, AI688112, AI767799, AA887822, AA973956, AI693558, N78520, AI824444, AI609594, AI682837, AI690813, AI584118, AI824357,</p> |

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| 1881 | H2CBR23 | 877338 | <p>the general formula of a-b, where a is any integer between 1 to 263 of SEQ ID NO:1880, b is an integer of 15 to 277, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1880, and where b is greater than or equal to a + 14.</p> | <p>AI224373, AI886355, AI537516, AW167777, AI911020, AI567802, AW151451, AI954293, AW194014, AI888095, AI439903, AW079859, AI885905, AI635528, AI049669, AI689096, AI636309, AW131165, AW090681, AW084440, AI538008, AI784230, AI491710, AI925164, AI220828, AI432532, AI696714, AI472566, AI874238, AA761557, AI251221, AI620643, AI886940, AI285439, F34241, AI553926, AI628325, AI559863, AI954095, AA743430, AI804505, AI357902, R39624, AI918554, AW079572, AW084896, AI580694, U82987, AC005218, I09499, AF109683, AL096728, AJ001388, X52220, U57715, AF188712, X95310, U51123, AF081571, X66975, X57084, U79523, X66862, AF090923, AB031064, X68560, AF078844, AF114818, I22272, AL137663, E02253, X60786, AF002672, M92439, X99226, X98066, AL133067, AJ132433, AF153205, AF167995, AR064250, AF119337, AL133069, AF114170, AF200464, AF090886, X63574, Y08769, AR012379, AF141976, X06146, AF077051, AF003737, L40386, A65341, AL080146, J05032, AL050108, AJ012755, AF038847</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2508 of SEQ ID NO:1881, b is an integer of 15 to 2522, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1881, and where b is greater than or equal to a + 14.</p> | <p>AW340662, AW316660, AI970681, AA889159, AI458059, AI590367, AI679607, AI797703, AW338264, AI739401, AA523715, AA425084, AI216290, AA515788, AA526334, AI677745, AA134355, AI674509, AA143532, AA313282, AA927236, AA315699, AI620159, AA922890, AW062635, AW374778, AA100752, AW374734, AW368107, AI214469, AA134354, AW368106, AA385843, AI919003, AW379835, AW389815, AW206252, AA213695, AA305544, AW418789, AW368007, AW368008, AW374786, AA313396, AI940533, AI940454, AW062630, AI920939, R25623, AW176592, AA376950, AW389787, T48510, AW178927,</p> |

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| 1882 | HCYBK82 | 877339 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 441 of SEQ ID NO:1882, b is an integer of 15 to 455, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1882, and where b is greater than or equal to a + 14.</p> | AA314737, AW262708, AA626931, AW390922, AA074381, AI219498, AW390912, R27011, AW390971, AW391129, AW379257, AW391053, AA746736, AW390981, AW276892, AW391030, T24527, AI815057, AW057823, W52053, AA524509, AW374790, W60597, AF132818, D14520, AF079852, D82785 AA305544, AI970681, AI590367, AI797703, AA425084, AW316660, AI458059, AI739401, AI679607, AA889159, AW340662, AA922890, AI677745, AI216290, AA515788, AI674509, AA134355, AW338264, AI620159, AA100752, AA927236, AW206252, AI273521, AI919003, AA626931, D59859, D80227, D80269, D80195, D59275, AI214469, D59502, D80391, D59787, D58283, D80038, D80022, D80166, D51799, D81030, D59610, D80196, D59467, D51423, D59619, AA524509, D80378, D80210, D80240, D80253, D80043, D80164, D80212, D50979, D80193, D80188, C14331, D80219, D59927, D57483, D50995, D80366, D59889, C14389, D80241, C15076, D80024, AA305409, D80045, C14429, D81026, T03269, C75259, D51060, AW178893, C14014, AW178775, D80134, D51022, AW179328, D80949, AA514188, AA305578, D80268, F13647, D51250, AW177440, AW378532, AW418789, AW369651, D80522, D58253, C14227, D80168, AW352158, D80251, D81111, AA514186, D80248, AW178762, AW177501, AW177511, C14298, AI910186, Z21582, AI905856, D80064, D80133, AW352117, AW360811, C14407, AW377671, C05695, AW176467, AW375405, AW360844, AW378540, D80132, AA285331, AW366296, AW360817, AW375406, AW178905, AW378534, AW352171, AW179332, D51097, AW377672, AW179023, D80439, D80302, AW377676, T03116, AW360834, AW352172, AW352174, AW177505, AW360841, AW178909, AW178907, AW178906, AW352170, AW177731, AW178754, AW179019, |
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| | | | <p>AW179018, AW179024, D59373, D80247, AW179220, AW179020, AI557751, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178971, T11417, D51103, AW179017, AW179004, AW179009, AW179012, AW178914, D80014, AW367967, AW378543, AW378525, D58246, AW276892, AW177728, D80157, AW177722, AW178911, D51759, AW178774, AW352163, D59503, C06015, AW178983, AW352120, D80258, AW178781, D58101, D59627, T48593, AW378539, C14975, AW177723, D45273, D59653, AI525923, AI557774, AI535850, C14973, T02974, D45260, AW378533, H67866, AW367950, D51213, AW177508, AA809122, H67854, C03092, D80228, AW177497, AW177734, AW178986, D59317, AI525227, D60214, T03048, AI525917, AI535686, C14344, D14520, AF132818, A84916, AJ132110, A62300, A62298, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547, AF058696, X82626, AR008278, AB028859, AR025207, Y12724, AB012117, A82595, X68127, A85396, AR066482, A44171, A94995, AR060385, AB002449, A85477, I19525, U87250, A86792, X93549, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I18367, I14842, A30438, AF135125, D88507, AR054175, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AB033111, D13509, I79511, A64136, A68321, AR060133, AR064240, AB023656, U87247, U79457, AF123263, AR032065, X93535, AR008382</p> |
| 1883 | HCRMK82 | 877340 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> <p>AW262592, AW367357, AI953876, AW265047, AI290247, AI261967, AA826909, AI336616, R46813, AA055350, R39815, N73560, H16260, AW365173, AC006251, X68487, M97759, AR044912, I20962</p> |

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| 1884 | HDTBO06 | 877344 | <p>the general formula of a-b, where a is any integer between 1 to 844 of SEQ ID NO:1883, b is an integer of 15 to 858, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1883, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1405 of SEQ ID NO:1884, b is an integer of 15 to 1419, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1884, and where b is greater than or equal to a + 14.</p> | <p>AI627846, AI686196, AI766030, AA159730, AA159731, AI478216, AI745281, AA683246, AA252582, AW085579, AA936240, AA464699, AA732427, F11142, N62186, AA825887, N90846, N77132, AA376347, F08813, H50638, AL121257, AL021937</p> |
| 1885 | HEGAM94 | 877346 | <p>the general formula of a-b, where a is any integer between 1 to 1999 of SEQ ID NO:1885, b is an integer of 15 to 2013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1885, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1999 of SEQ ID NO:1885, b is an integer of 15 to 2013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1885, and where b is greater than or equal to a + 14.</p> | <p>AI935271, AI762915, AI809275, AA398950, AI127111, AI813351, AA749298, AA705921, AI343768, AA776967, AA766587, AW070583, AI052069, AA291984, AA715043, AA460658, AA804876, N44967, AA394137, AW071467, N93279, AI343843, AA393817, AI452856, AA292934, R90963, W72279, AA861873, AA526081, AI819873, AA226137, AA262543, R72676, T17354, AA514931, R73310, R90959, W25119, R64455, AI783605, W76306, AI624523, AA490863, AA261906, AI864544, AW068181, AA860972, R72980, H83354, AA359560, AI632879, AA291985, AA255873, AA325261, AI057127, R48640, R18641, AA461005, AA261923, R18640, H83702, Z38970, N36710, AL134185, H90736, H59529, H90786, AI784395, AA652150, AA652026, H60402, Z42828, AA226136, AA776284,</p> |

AA491047, AA393770, AA909279, D20449, AI696435,
HI1527, AA398313, R41605, AI584130, AI473208,
AI862134, AI273856, AL036705, AI539260,
AI673140, AA715307, AA809974, AI369807,
AL135047, AI440260, AW083572, AI554344,
AA580663, AI683972, AI440238, AW151974,
AI923989, AI440263, AI683568, AL138376,
AI554821, AW020561, AA641818, AA761557,
AW366372, AI653402, AA115869, AA748353,
AW055075, AI432644, AI538298, AI089748,
AI587000, AI590043, AL134830, AI682640,
AI954080, AI691131, AI572396, AW087262,
AI094749, AW162194, AI613038, AI557104,
AI866469, AI539690, AW089439, AI475270,
AW087445, AI625293, AA065052, AI289310,
AI678857, AI445505, AI370965, AA282824,
AI866457, AI872423, AL135012, AI591093,
AI219380, AI250282, AI889728, AI567582,
AI468959, AW151132, AI498716, AI538805,
AI419826, AI921155, AI685798, AW075382,
AI149977, AW195253, AL119748, AI915795,
AW243886, AW130129, AI925736, AW168012,
AI798114, AL121270, AA609644, AI440236,
AW268122, AI680221, AI064830, AI473471,
AI623389, AI283322, Y11254, AR050959, AC002464,
X06146, AL137557, AJ238617, AF150103, D44497,
AL031732, AI5345, AL133084, Y18678, A93914,
AF126247, AF100752, AL133608, AL110171,
AL117460, M85165, I03321, U49434, AL137539,
AL137459, AF082526, E12888, AF145233, AF118094,
AL133113, U92992, AC002287, AF017437, I33391,
AL133637, AF069506, AL122101, AL133080,
AL133053, AL122049, U70981, AF115392, X82434,
AL117587, U67082, AL137284, AR034821, X15132,
AF043642, AL137479, AF051325, I46765, S63521,
AF004162, AF161413, AJ238093, AL122110,

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| 1886 | HDTAH72 | 877347 | | <p>AF113699, AL137558, AL078630, U42766, AL133049, AL080074, AR066486, E12580, AL050149, U51123, AF146568, U53505, AR064250, Y10655, AL137526, AF159148, AF039202, AL049276, X63410, AB026995, I52013, U55017, X67688, U68387, AL133015, AF010191, S78453, AL050280</p> <p>AI268315, AI344319, AA531249, AI952869, AI492586, AA588629, AW044245, AI246254, M78525, AA621945, H97851, AW082375, R34105, AA376468, AA376668, AA376330, AA224458, R34106, AA166983, D58161, AI919577, C21057</p> |
| 1887 | HARAG42 | 877351 | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1879 of SEQ ID NO:1886, b is an integer of 15 to 1893, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1886, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 419 of SEQ ID NO:1887, b is an integer of 15 to 433, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1887, and where b is greater than or equal to a + 14.</p> <p>AA534438, AA296922, AI732343, AA502919, AI732203, E13091, AR028526, AF048700, E13090</p> |
| 1888 | HCQDL20 | 877355 | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 399 of</p> <p>R10554, AA873089, AW007836, AA376913, AA702706, AI861809, AI052145, N74374, AI739300, AW055276, T40120, AA343939, T40984, J04813, AF209389, S53047, M14096, M18907, X12387, J04449, AF182273, D31921, M13785, X90579, L26985</p> |

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| 1889 | HLQGF34 | 877356 | <p>SEQ ID NO:1888, b is an integer of 15 to 413, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1888, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 769 of SEQ ID NO:1889, b is an integer of 15 to 783, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1889, and where b is greater than or equal to a + 14.</p> | <p>AW007836, AA873089, AI052145, AA702706, AI739300, N74374, AW055276, T40984, R10554, T98255, N74426, AA376913, AA416822, T40120, AI861809, AI678780, AA343939, T98311, AA878869, AI761228, X90579, L26985, AF209389, J04813, S53047, X12387, M14096, M18907, J04449, D31921, AF182273, M13785</p> |
| 1890 | HCDCF78 | 877358 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 385 of SEQ ID NO:1890, b is an integer of 15 to 399, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1890, and where b is greater than or equal to a + 14.</p> | <p>AI703276, AW188039, AA451771, AA316434, AI690259, AI681353, AA045904, T29610, AI627945, AW188125, AW188144, AA099043, AW237788, AI470110, AW170058, AI654577, N21480, AI678192, AI745496, AW292165, AA449964, AI167571, AI186510, AI392894, AI459190, AW196865, AI761196, AI199686, AA767664, AW373992, AI129612, AI272655, AI272824, AW051688, AI765956, AI220043, AA099044, AI681033, AI628056, D17400, M97655, D25234, L76259, M77850, U63380, U63381, U63382, U63383</p> |
| 1891 | HMIB59 | 877361 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3021 of</p> | <p>AL043108, AI912625, AI268389, AA541465, AA626702, AI814451, AA703936, AW137200, AI769406, AI814300, AA843784, AI677825, N90942, AL133947, AI122639, AI583230, AI956122, W58349, AA043151, AI911861, AI146802, AA433844, AA829527, AI829684, AA393149, AI248810,</p> |

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| | <p>SEQ ID NO:1891, b is an integer of 15 to 3035, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1891, and where b is greater than or equal to a + 14.</p> <p>AW148927, AI693209, AA313329, AI634356, AA165311, AW015279, AA435562, W48807, AA770568, N33995, AW337556, AI200909, W52177, AI9225678, C75536, AA740996, AI056139, AA639344, AA062558, AA044616, AI270757, N51453, AI088578, W49807, AI302975, AA975134, AA176436, W58474, AI288721, AI090980, N36852, AW440100, AA708923, AW403227, AA746255, AA846487, AI075216, N56895, AA644436, W60313, W52178, W60262, N34473, R80598, N35139, AA063056, C75383, AW080740, N46123, AA468100, AA888852, AI339843, R80597, AA178883, N36227, R23907, AW272245, AI185045, AW204631, AI244465, AI347721, AA305934, AA158097, AW027841, R23998, N36871, AA262561, AA626808, AA040760, AI597694, H13872, R78677, AI127632, AA158096, R24938, N46141, AA165180, H94816, AA165152, T28111, H89174, T20158, AA857506, AA169476, AI523244, H97960, AA366030, AA885512, N32999, AA042803, AI291968, AW271335, AI928012, AI582354, AA905984, AI374631, AI391678, AA654121, AI470822, AI659820, AI435866, AA478972, AI672499, AA782245, AI683540, AI242454, AI963948, H83799, AA098811, AI970953, AA098979, W47019, N24550, AI656583, AA098926, AI811590, AI346328, AI702054, AA771762, AI926667, AI565050, AI669676, AW300195, AI078689, AI910690, AA991913, D20104, AA610706, AA329386, AW023680, H80964, AI824554, T70014, R23906, AI432060, F00987, AA677620, AA450363, H00588, AW179301, R45201, R82731, AI912968, AA100143, AI681692, AI015103, R78922, N89579, D31543, R23127, T39145, AA069266, R23125, H83940, AW404323, AA730321, AA091296, R23124, AA069494, AA808762, AI674511, T69942, AA319786, AI370594, AA370257, R23126, Z28753, T29433, T10467, AI420216, AI365551, AI597664, AI972622,</p> |
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| 1892 | HMKAK86 | 877363 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 362 of SEQ ID NO:1892, b is an integer of 15 to 376, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1892, and where b is greater than or equal to a + 14.</p> | AA243213, T35681, C04078, C75653, T11331, T40433, AA169471, AA973669, W46200, AA836447, W23989, T18555, T11401, T39150, AA094342, AI824772, W17101, N91885, AA453560, T11352, T10404, N47782, AA091310, C00888, AA165310, T27528, AA248615, AI420657, R79019, T25720, AA809895, R31791, D45259, R63697, AA089814, AA863104, AI095737, T11400, AA523550, AA913502, AI218901, AI827982, A93912, M31470, A93910, D49727, D50264, D49726, D49725, AC003957, AL035361, R62747, AA853568, AA916254, AA969277, AA190594, T40630, AI920974, AI055924, AW081296, AW103255, AA037707, AI269490, AA181191, R22340, AA053866, AI923333, AA516448, AA344620, AA347824, H05424, H02246, R22341, T40694, AA344748, AW449318, AA737586, AI950008, AA037725, AA345669, AA302793, AA302797, AI355125, T39494, AW150691, AA902521, AI278972, AI270407, AB033054 |
| 1893 | H6EDF71 | 877370 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1290 of SEQ ID NO:1893, b is an integer of 15 to 1304, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1893, and where b is greater than or equal to a + 14.</p> | AW190446, AI961479, AI923277, AI884400, AW129387, AI432621, AI701980, AI613026, AA418709, AI635480, W93648, AI491762, AI270167, AI280720, AA918056, AA938271, AA418701, AI338213, AI707674, AI476785, AA478755, AI082024, AA455447, AA834685, AI742309, AI857345, AW090377, AI708271, AI016116, AA588253, AI167998, AI445021, AA455448, AA669129, AI474588, AI208596, AW015585, AW015582, AI283110, AA773711, AA558268, W93910, D54259, W52496, AW195549, AA418855, AA937302, AA960793, AA976090, AW105521, N62182, AA009747, AI686709, AW178327, AI275229, T39172, AA471190, |

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| 1894 | HOELC15 | 877373 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2603 of SEQ ID NO:1894, b is an integer of 15 to 2617, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1894, and where b is greater than or equal to a + 14.</p> | AA777967, AW166867, AA535376, AI884496, AA953028, AA969906, AW276245, T40454, AI889115, AW137558, AA279095, AW393132, AA773707, AW393156, AI932456, AA648104, H16423, X69398, Z25521, AF017437, AB012693, Z25524, D87659 AI625476, AI379830, AW190863, AA861203, AI952079, AI921025, AI955634, AI587088, AI926590, AI572602, AW079778, AI818020, AI978757, AI963206, AI955860, AW190795, AI587161, AI924265, AW190680, AW192746, AW152121, AW337223, AI823711, AW190516, AI623641, AI674875, AI624269, AW192636, AI573153, AI620393, AI538927, AI683156, AI860782, AW074297, AI683833, AI685181, AI923388, AW173674, AI587424, AI627454, AI453249, AW131016, AI623652, AI984752, AI084796, AI802264, AI110775, AW074064, AI571619, AI097497, AI804583, AI697355, AI445032, AI570335, AI884376, AI587134, AI754165, AA910529, AI560022, AI813449, AI028123, AI333407, AI753639, AI432646, AI683000, AI818473, AI628183, AI913951, AI193030, AI587385, AI190931, AI571989, AI520669, AI198766, AW152597, AI587043, W94653, AI520755, AI868031, AI492736, AI190373, AI571651, AI971361, AI285408, AI250818, AI299640, AA599333, AW337268, AI992004, AI313475, AI191817, AA872416, AA921724, AI754230, AI962031, AI289514, N24418, AA622296, AW152146, AI753534, AI751083, AI074992, AI436436, AI559198, AA173912, AW337830, AA722578, AI304733, AI632052, AA854050, AI680348, AI751084, AI086679, W45594, AI610384, AI086711, AA716327, AW241380, N40742, AI076955, AI692374, AI754958, AI358461, AA904719, AI262790, AA947025, AI247519, AI280126, |
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| 1895 | HAJBN08 | 877375 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 536 of SEQ ID NO:1895, b is an integer of 15 to 550, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1895, and where b is greater than or equal to a + 14.</p> | <p>IS0133, AB012117, Y17187, I09494, A45456, AR066488, AR016514, AR060138, A26615, AR052274, AR008277, AF008281, A85396, AR066482, A44171, X64588, Y09669, A85477, A43192, A43190, AR038669, I19525, A86792, AF135125, AR066487, X93549, U46128, AR066490, I14842, D88507, AR016691, AR016690, AR054175, D50010, I18367, A63261, AL133015, AR008408, I79511, AR062872, A70867, AL080118, AR029580, D13509, A64136, A68321, AR060133, A08456, A31057, T47722, T47723, T55703, T91272, T78911, T78964, T95679, T96956, T97068, T98840, T99143, R00385, R21263, R21264, R31911, R31957, R62970, R63024, R63509, R63555, R78123, R79931, R80019, H03256, H04441, H27156, H47899, H47900, R92467, R98387, H78782, H79278, H79389, H85490, H96640, N20906, N30033, N31502, N74163, AA026408, AA040602, AA040685, AA079412, AA173557, AA190828, AA491953, AA492100, D78982, N85431, W26462, C00757, AA173722, C75590, AA600070, AA678220, AA732900, AA852262, AA852355, T23896, T23897, T23930, F05444, AI360546, AI473496</p> |
| 1896 | HFVHT62 | 877377 | <p>Preferably excluded from the present invention are one or more</p> | <p>AA350728, AA316351, AA112015, AA216692, AW246040, AA693635, AW407512, N55660, AI362985, AJ002190, AF043937</p> |
| | | | <p>Preferably excluded from the present invention are one or more</p> | <p>AI739135, AI066521, AW173105, AW261971, AL039012, AI954494, AA830348, AA284072,</p> |

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| 1897 | HILBZ32 | 877378 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 843 of SEQ ID NO:1896, b is an integer of 15 to 857, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1896, and where b is greater than or equal to a + 14.</p> | AA789097, AI005313, AA777794, AI041134, AA856987, AI700317, AA769862, AA804528, AA831168, AA494334, AI143496, AI141222, AI372907, AA831166, N64843, N92087, AA769007, AI075136, AI076701, AA305065, AI076409, AA315766, AI273523, AA450169, AA314707, AA284166, AA158102, AI352491, AA257019, T96666, T28941, AA352693, AA627383, AA257103, AA464156, AI206700, T96781, AA158059, AA055005, AA757304, AW059834, AW340182, AA092745, AI678081, AW368066, L27711, U02681, I30245, L25876, AL049778 |
| 1898 | HAPOR25 | 877380 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 765 of SEQ ID NO:1897, b is an integer of 15 to 779, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1897, and where b is greater than or equal to a + 14.</p> | AI739135, AW173105, AI066521, AW261971, AI954494, AA830348, AA789097, AA284072, AA804528, AI005313, AA777794, AI041134, AA856987, AI700317, AA831168, AA769862, AL039012, AA494334, AI143496, AI141222, AI372907, AA831166, AA769007, N64843, AI075136, AI076701, AI273523, AI076409, AA305065, AA450169, N92087, AA315766, AA158102, AI352491, AA314707, AA257019, T28941, T96666, AA627383, AA464156, AI206700, AA257103, AA284166, T96781, AA158059, AA352693, AA055005, AA757304, AW059834, AW340182, AI678081, AW368066, AA450104, AA092745, L27711, U02681, L25876, I30245, AL049778 |
| 1898 | HAPOR25 | 877380 | <p>preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3296 of SEQ ID NO:1898, b is an integer of 15 to 3310, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | AW272420, AW242297, AA165082, AW263065, AI378393, N34290, AA488409, AI347346, AA701568, AI174216, AI668973, AI918787, AA948264, AA594684, AW299275, AI222510, AI243187, AW070414, AI076437, AA488545, AA470051, AW380452, AA164540, AI076271, AA657436, N75339, AI473793, AW025483, AA701579, N58947, AA577451, R77252, AA897628, T62571, AA102397, R77251, AA704389, AI697267, AA826647, W90783, AA632480, AI032244, AA583140, W01846, T31054, Z43387, |

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| 1899 | HELBN30 | 877384 | NO:1898, and where b is greater than or equal to a + 14. | <p>AI824451, AI244271, H62456, AA916276, AI084430, T29815, T62961, AW444516, D25970, N48191, T63212, AA252955, AW419194, H61450, T63194, H17988, AA939180, AA535982, T35269, AA962328, R06301, AW304307, R68203, AW368013, AW364400, AW364354, AI264114, R68204, R06246, AW364364, AI262874, AW364338, R89888, N44181, AW384579, R89849, AI565221, AW050406, AW362424, AW384580, D12170, AW294181, T24830, AW337772, AW364399, N53338, W90688, AA253123, AA102379, H17987, AI344295, AW364396, X73882, Y15197, AL023284</p> <p>AA059485, AA278695, AA654731, AA278203, AI475552, AA001323, AA057712, AI628148, AI935011, AI479111, AI248082, W49737, AA009479, AW449837, AA447481, R06619, AA040474, AI925539, AI347058, AA740520, W86694, T29489, AA341731, N59177, AA632345, AA057395, AA836847, AI683333, AI805718, AA120879, H59542, AI379485, R25939, AW182401, T95573, AA281718, AI918021, N41576, AA262292, AI425046, R01630, T50780, AA993907, AW151322, AI911765, AA740339, AI186344, AI583330, W25428, AI193756, AA001910, N75914, AA921773, AW363532, AA693648, AI242044, AI753406, AA588342, M60618, AF056322, U36501</p> <p>AI096627, AI750041, AI589918, AI971206, AI567485, AI870013, AI492558, AW082735, AW071873, AW068564, AI494149, AI431911, AA158252, AI422826, AI493768, AI363488, AI460100, AW104306, AA100840, AI755276, AA476207, AI992015, AW026405, AI190217, AI738539, AI439206, AA037160, AI361483, AA877117, AA425180, AI372673, D80801, AA678831, AI376927, AA160849, AI038534, N77542, AI418906, AI359937, AI084962, AI356122, W88956, AI499098, AA325211, N62261, N94717, AA043409, AA789304, AA355373, AI372674, H63354, AA313505, AA351821,</p> |
| 1900 | HHFMH12 | 877387 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1170 of SEQ ID NO:1899, b is an integer of 15 to 1184, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1899, and where b is greater than or equal to a + 14. | <p>AI096627, AI750041, AI589918, AI971206, AI567485, AI870013, AI492558, AW082735, AW071873, AW068564, AI494149, AI431911, AA158252, AI422826, AI493768, AI363488, AI460100, AW104306, AA100840, AI755276, AA476207, AI992015, AW026405, AI190217, AI738539, AI439206, AA037160, AI361483, AA877117, AA425180, AI372673, D80801, AA678831, AI376927, AA160849, AI038534, N77542, AI418906, AI359937, AI084962, AI356122, W88956, AI499098, AA325211, N62261, N94717, AA043409, AA789304, AA355373, AI372674, H63354, AA313505, AA351821,</p> |

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| 1901 | HBXAC19 | 877388 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 161 of SEQ ID NO:1901, b is an integer of 15 to 175, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1901, and where b is greater than or equal to a + 14.</p> | <p>AA349465, D80800, AI937868, AA102488, AW150270, AA349466, AW339965, AA330631, AA158399, AW083453, AA156068, AA350488, AA161281, AA654017, AW075493, AI094530, AI205125, AI686221, H41345, W89039, AA548969, AW338483, AI334361, AA102489, AI961671, AA351820, AI570099, AA367255, T98883, AI926390, AA631107, AA301787, AA143489, T18598, AA102418, AW189862, AA027021, AA376185, AA904590, D31580, AI590590, AW082999, AA702382, W88756, AL042199, AW134571, AI198157, AW009324, AI811883, AW003196, D29325, D29337, AI702386, AA043408, R45887, H50462, AI858384, AI624949</p> <p>U57001, U66406, U62775, AF025288</p> |
| 1902 | HWLNV37 | 877390 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1793 of SEQ ID NO:1902, b is an integer of 15 to 1807, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1902, and where b is greater</p> | <p>AI887998, AA452467, AI498141, AI468007, AW088566, AI143229, AI468019, AI924042, AI302076, AW130545, AW406571, AA552071, AI857610, AI148267, AA496087, AA148266, W37673, AA805118, AA894716, AA416636, AA729667, AA722262, N44792, AI436679, AI313409, AA846175, AA866080, AI126664, AI459662, AA569841, AA865000, AI313239, AA708711, AI184015, AI311722, AA626625, AW406853, AW189410, AW406861, AA406040, AA976761, AI186007, AA136156, AW193942, AI150739, W15643, AI365686,</p> |

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| | | | than or equal to $a + 14$. | AI498762, AA855546, AI189894, AA740394, AA133324, AI129125, AW022772, AA493572, AI202523, AA676968, AA329249, W05485, AI038788, AA716709, AA126228, N25485, AA830025, AA126339, AI358727, N56854, AA978006, AI719099, W37534, AA953629, AA663651, AI693987, AA076372, AW090432, N32431, AI362222, AA617762, AA782855, AI161045, C04906, AI356648, AI371415, AA136072, AW044060, AI937310, AA416713, AI500608, AA991563, AA126566, AA305695, AI358972, AI926596, AA384023, T40849, AA076501, AI991793, AA730185, AI698869, AI949134, AA687665, AA121023, AA988991, AA369523, AW275473, AA339483, AA300942, N35481, AI363884, AA369524, AA355468, AA845483, F29460, W52535, AI810861, AA582099, H19093, N80825, AA708946, AA384975, AA379550, AA373476, AA648147, AI818027, AA534415, N56694, AW083204, AA372060, AA496767, AW007697, AA748067, AI655704, AA987626, AA042892, M62297, AA043512, AA043513, AA384593, AA372059, AI086772, AI279119, AI635811, AA384973, AW002936, AA480294, AI276970, AA515682, AA043019, AA773750, AA169816, AL038644, AA133400, AW080380, AI434682, AA384974, AI300543, AA176343, AI278392, AA706110, AA678943, AA515683, N20394, AA375542, AR030958, AB014532, AC004922, S77329, U11861, AF058791, T39861, AI421422 |
| 1903 | HWHQH17 | 877393 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2796 of SEQ ID NO:1903, b is an integer of 15 to 2810, where both a and b | AI346901, AI191444, AW001394, AL036955, AI660571, AI818120, AI018511, AI052368, AW027921, AW007170, AA603096, AW057755, AA485948, AI149233, AW081475, AI677997, AW410351, AW300638, AA488667, AW409854, AA402239, AA486496, AA486050, AW409878, AA486507, AW409856, AW194332, AA554501, AW084623, AW409835, AA617980, AI040998, |

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| | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1903, and where b is greater than or equal to a + 14. | AI804511, AW410178, AI434575, AI589609, AA664262, AW409614, AA430234, AA479644, AA488187, AW305031, AA410912, AI313158, AA488684, AI355319, AA430559, AI190998, AA676466, AW409596, AA476902, AA878887, AA902228, AI687559, AI074371, T51288, AA459629, AW303926, AA599915, AA485902, AI126733, AI445068, AW409577, AA593873, AI016575, AA719627, AA488240, AA482604, AW303900, AA486198, AA430025, AA847289, AA188216, AW409876, AI246054, AA402700, AA421202, AA416583, AA847234, AA630648, AI802458, AA211469, AA190840, AW025006, AA035463, AA186363, AA992133, AA670258, AI469676, AA426620, AA179226, AW300817, AI161092, AI199582, AI339697, AA993589, AI083639, AW001456, AA758347, AA633544, AA987682, AA486304, AI889937, AI581339, W45576, AA701272, AI565866, AI347560, AI079926, AI146534, AA601655, AI459359, AA489322, AI247541, AI469729, AI074396, AW001571, AA579941, AI278644, AI459387, AA513381, AA477332, AI076715, AA976943, AA833630, AA149959, AI921791, AI280849, AI174208, AI066715, AI285157, AA194865, AA132930, AI673225, AI269574, H16257, AA588880, AA133075, AA188878, AA627878, AA025145, AI568930, AA196286, AI220665, AA723359, AA954162, AA489559, AA630299, AA135404, AA188819, AI362548, AA132630, AI095498, N78671, AI453521, AA804703, H05127, AA477015, AI802650, T71317, W20292, AA665815, AA186894, AI984554, AA488648, W72251, AI094464, AI810394, W03180, AA026596, AA112256, AA486030, H39838, AI074194, T68162, AA111856, AW247688, AA029620, AI091141, AI700362, H39837, AA724925, W69320, R76662, H95672, W37885, |
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| 1904 | HDPFP36 | 877396 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4025 of SEQ ID NO:1904, b is an integer of 15 to 4039, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1904, and where b is greater than or equal to a + 14.</p> | AA852208, AA852209, T10360, T10361, T58496, F03496, AA694056, AI269768, AI560475, AI139867, AI150406, AI659249 AW242873, AI638226, AW014789, AI928114, AI478983, AI075890, AW242842, AI675131, AW014540, AW372249, AA630413, AI313145, AI653172, AA134046, N32561, AI752719, AI653034, AA489839, AA551242, AA480899, N53472, AI092888, AI479478, AA210774, W00846, AI761985, AI276657, AW151703, AI830594, AI589236, N41905, AI753040, AI335745, AA489659, AI027334, W46149, W57952, W58099, AA846532, W58085, AI423910, AI126500, W00854, AA923540, AA669903, W73619, AI620667, AA312838, AI041901, AA126268, AI357683, W58035, W73667, AA232572, AW002525, W03762, N98674, H06349, AA700807, AA134045, AA283647, AI752720, AI693833, AA064885, AI093714, AI033028, AI167615, AA902590, W46161, N23622, AA704812, AA910235, AA126386, AA480960, R40680, AI032472, N41728, AI675041, AI590268, R80530, AI344793, R80419, AA480245, AA991447, R86064, H06293, AI318610, AA064808, AA810121, AA283646, H98584, N23621, AA811695, H09433, AI241317, AI470594, R40250, AW181920, AA374575, H09084, T90456, AA569988, H84159, H84160, AI700949, H89683, N66151, R14352, AA373949, R14299, AI538863, AA644291, N89241, R91989, N68235, AA810813, AI084359, N72476, AI547027, AA232625, H89759, AA564759, AW382356, AW371061, R57492, AA249229, H97526, D50917 |
| 1905 | HCFMY07 | 877406 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3975 of</p> | AW004054, AI135021, AW173336, AA846316, AI208817, AA861115, AW377287, AI884576, AA403122, AW377237, AA449008, N22548, AI612907, AI697252, AI337225, AA488782, AA166884, AA114179, AA824590, AA723930, AA488998, AA534667, AI335733, AA922029, AA846011, |

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| 1906 | HSYBP46 | 877408 | <p>SEQ ID NO:1905, b is an integer of 15 to 3989, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1905, and where b is greater than or equal to a + 14.</p> | AA732053, AA807156, N31650, D61907, AA604009, AL121217, C75317, AI183839, AA285257, AI631612, AI701860, AI872948, AA724511, AA593781, AI955474, AA490358, AA348286, AW014127, AA034503, AW382984, AA114216, AA714035, N44341, AA083061, AA401848, D82796, AA813448, AI707514, AW242769, AI695226, AA039307, D82808, T57805, AI865947, AA490260, D79331, H45236, AA312976, AI904624, R62919, D59331, H67517, R62920, T96420, R21224, D62945, AI648439, AW383006, AA789111, R63601, D62711, AA336494, AA340489, T39404, AA247910, N67607, T82367, AW070205, T27263, AI625255, H68430, AI824522, D82698, R21223, AI401720, N59296, AA249438, AI217233, D82710, D59332, AA565565, AA450364, R95490, AA490906, C01268, AW363022, AA913585, AA491092, E13124, U42424, U58512, U61266 |
| 1906 | HSYBP46 | 877408 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2615 of SEQ ID NO:1906, b is an integer of 15 to 2629, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1906, and where b is greater than or equal to a + 14.</p> | AI963125, AI609225, AI884581, AW069271, AI953978, AI567519, AA703985, AI858101, AI281477, AA878466, AW084603, AA004204, AI755045, AI753615, AA122291, AW150834, AL038513, AA706823, AI814914, AA127736, N32519, AA706805, AI564735, AI670785, AI754803, AI888126, AI654845, AA452231, AW385337, AI160667, AI755281, AI122842, AI127349, AW088731, AI083555, AA609330, AA058930, AA486379, AW021109, W93848, AA115524, AI090089, AI570898, AI262822, AA903134, AI697486, AI088658, AA121511, AI580763, AL038512, AW439391, AI341677, W52306, AA010309, AW069115, AI127946, AI692736, AA600038, AW068714, AI354707, AI589319, AI371826, AW008422, AI754320, AI346302, AA723122, AA010310, AA599273, AA137194, AA599504, AW069432, AW088383, AI751005, AA725207, AW385359, AI304554, AI457114, AW191921, AW020206, |

AW372817, AI446310, AW074603, AI075140,
AW291469, AI214470, N89578, AW069514, AW385351,
AI753788, AW372828, AI752198, AI052797,
AA099729, N42734, W02000, AW372820, AI160542,
AI095555, AI754231, AA070970, AW302579,
AA114947, AI357733, AW386363, AI864906,
AW340511, AI268892, AW393341, AA505831,
AW073493, AI750527, AA305175, AI200515,
AI342335, AI751983, AI417127, AA993150, R77205,
AA137193, AI935300, AW393329, AI560062,
AI077562, N75508, W93869, AI127162, AI582477,
AA573183, AA857098, AA442665, AW385366,
AW068212, AW393339, AW393324, W87515, AI751004,
AI039775, R95826, AA040410, N68613, AI752199,
AA150616, AI919268, AW372823, W87487, AW393333,
AW088208, N43019, R95777, W30698, AW393343,
AI671130, AI094661, R69515, AA330038, AA705256,
AA096062, AW393334, W24174, AW393342, AA334999,
AA974667, N99050, AW068455, AI147454, H87987,
W05395, AI865506, D62061, AA578679, AA329445,
AW372121, AW393330, H59312, AA122386, D62992,
AA449381, AA330407, AI589497, AA142904, H45011,
AI382841, AW385329, AI688861, R86097, H13571,
H44959, AI932553, R09536, AA332101, H03527,
AW393338, AW235794, T27809, H03445, T49493,
AW444479, AA115948, AA853107, AA099728,
AA853780, AA194797, AI263967, T31631, AA333851,
AA330396, AA342316, AI569315, AA332661,
AA852331, AA092962, AI750253, R27794, AA346374,
AA332339, AW196741, AI537624, AA040329,
AA328122, AA233015, N63241, W57799, AA344504,
AA232701, AA092106, H39522, C02028, AA386156,
T29615, AA334576, AA304992, AA194648, R09649,
R07913, T49492, T31628, AI751984, AA328379,
AA334087, T31612, R07858, AA332886, AA329886,
AA449254, C00044, AA348035, AA328980, AA361011,

AA331327, M11718, Y14690, X04758, L02918,
AJ224880, M10956, J03051, Y11587, AL050138,
AL049466, AF115392, U77594, A65341, AL110296,
AF090903, D83032, AF106862, AL133062, AF047716,
U49434, E02349, AL137550, AF137367, AF078844,
AL117463, AL133014, I89947, X80340, S77771,
Z97214, AR038854, S78453, AB025103, AF044323,
U78525, AF113019, AL080159, AJ242859, AL050024,
E03348, AF100931, E03349, A18777, S36676,
AL049382, AL137558, S83440, AL133619, AL110280,
E15582, AL137463, I48978, E04233, AL080154,
A08913, AL050116, AL137555, AL137480, AJ005690,
AL137476, A08907, A08912, AL137256, A08910,
S78214, AF067790, I89931, A08909, X99257,
AF061981, D16301, AL117435, I49625, AF016628,
X82434, A08908, U53505, AL133624, AL080150,
S76508, AL080163, AL080124, Z13966, I89934,
AL050277, AL050170, E02152, AF169154, AL133640,
AL050172, AB007812, U35846, AL133565, A08911,
AC002467, AL133665, X79812, I03321, E06743,
AL133075, AL049452, AF113699, E01614, E13364,
X70685, AF017437, U67958, AL122106, U58996,
AL117585, AL023657, AF199027, AL137548,
AL133113, AL133568, AF113689, AL117587,
AF176651, AL137574, AF058921, I09499, AL117440,
U91329, AL050092, AL133010, AR034821, E02221,
A03736, AL137292, I68732, X53587, A08916,
AL137526, AL133054, AF145233, X66871, X87582,
AL137530, AF200464, AL117578, AF199509,
AF185576, AL117629, S69510, AF055917, AF159615,
A18788, AF162270, A15345, I79595, AF002985,
AF126247, AL049300, A65340, U92068, AL133558,
AL137459, AF106697, AL133557, E01314, T63108,
R27886, H13204, H88165, H88165, N64280, N76100,
AA461456, AA594297, N87869, AA091436, AA095583,
AI086998, T03859, T24745, AI128830, AI537635

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| 1907 | HCRQK59 | 877411 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1537 of SEQ ID NO:1907, b is an integer of 15 to 1551, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1907, and where b is greater than or equal to a + 14.</p> | <p>AI394016, AI337333, AW008484, AI4922226, AA503225, AI832480, AA551754, AW263863, AA782573, AA469071, AI700423, AI380990, AI631409, W95477, AI651800, AA804581, AW016198, AI567909, W05729, AW338263, AA488420, AW134932, AW149688, AI424300, AI569012, AA348345, W95367, N74885, Z20694, AI569356, AW083000, AA745423, AW193135, T24482, AI355870, R65920, AW054656, A75401</p> |
| 1908 | HWLXK44 | 877437 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 454 of SEQ ID NO:1908, b is an integer of 15 to 468, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1908, and where b is greater than or equal to a + 14.</p> | <p>H53943, R09272, W52643, AW001226, AI827422, AI086839, AI752330, AI752329, H53944, AL136295, U94831</p> |
| 1909 | HE8DZ94 | 877630 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1785 of SEQ ID NO:1909, b is an integer of 15 to 1799, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1909, and where b is greater than or equal to a + 14.</p> | <p>AI684587, AA610052, AI189791, AI186697, AI751250, AI310126, AI188971, AA906201, AA019739, AW264561, AW009062, AI361312, AA887119, AA971980, AI580662, AA088862, AI261311, AA575958, AA018414, AI268976, AA904689, AI784506, AI654089, AA838000, AI800634, AA018103, AA833673, AA809439, AA970480, AI419770, AW189948, AI806808, N40196, AA886637, H38658, AA059058, AA809455, AA532665, AI538082, AA887381, T50287, AI083552, T47520, AA054140, H86494, AA469072, AI933491, AA935534, AA634291, N58823, AI799084, H86061, R24685,</p> |

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| 1910 | HTELO87 | 877881 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1253 of SEQ ID NO:1910, b is an integer of 15 to 1267, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1910, and where b is greater than or equal to a + 14.</p> | <p>C21487, AW440198, AA482137, AI971218, H66403, AA570041, AA555150, AA494063, H78365, AA935511, AI807280, Z21231, AA019783, H78462, AA632718, AI338489, Z19788, W01156, AA016261, N28787, AF151877, AF113127, AL117550, AF161526, A74434</p> <p>AA115605, AI589156, AA115471, AI359615, AA115213, AI817096, N50090, AW118065, AI024233, AA423826, AA610042, AI672797, AA307285, AI800760, AA989046, AA975271, W60559, AA463414, AW162429, N50523, AA034218, AA805237, AA115129, AA721969, AA496544, N52970, AA419084, AA708005, AI741973, AI204382, AA476516, R70914, R70913, AA043558, AA320866, AA476416, AA033534, AA781036, AI627278, AA903019, AA347354, AA035548, D25909, AA043557, AI419107, AI080319, H97516, C21455, N50579, AW299563, AA310893, AA307286, AI761872, AA035038, AA905739, AA746181, AI521292, AI554821, AI433157, AI889189, AI866469, AI815232, AW086285, AI927233, AI366900, AI539707, AI355779, AI590043, AI440239, AI537677, AI494201, AI500659, AI539800, AI866465, AI801325, AI500523, AI538850, AI702065, AI582932, AI923989, AI872423, AI284517, AI500706, AI491776, AI445237, AW151138, AI521560, AI500662, AW172723, AI284509, AI440263, AI538885, AI889168, AI866573, AI828574, AI633493, AI434256, AI434242, AI805769, AI888661, AI648454, AI284513, AI888118, AI859991, AI436429, AI887775, AI889147, AI581033, AI371228, AI567702, AI440252, AI866786, AI610557, AI860003, AI242736, AI887499, AI539781, AI500714, AI559957, AI491710, AI521571, AI582912, AI623736, AW089557, AW151974, AW151979, AI612913, AI885949, AI371265, AI045500, AI469775,</p> |
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| 1911 | HWLQL72 | 878199 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 540 of SEQ ID NO:1911, b is an integer of 15 to 554, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1911, and where b is greater than or equal to a + 14.</p> | <p>AL039390, AI567953, AI446495, AI863014, AI671642, AI890907, AI866581, AI889148, AI285439, AI431307, AI539771, AI804505, AI554827, AI866461, AI815150, AI273179, AI371251, AI866510, AI285419, AI923046, AI047422, AW151136, AI866691, AI924051, AA715307, AI432644, AA809974, AI828583, AI569439, AI872315, AI624545, AL042365, AA641818, AI648567, AL049776, Z99943, U50823, L13297, U01145, Y17793, AL122110, U00763, AF097996, AL133080, AL133607, AL122049, AF113694, AL133053, U31501, AL133049, AF093119, X62840, AL133655, AL050116, I17767, AL133015, AL133608, AL133072, AL137267, U30290, AL122101, E13998, AF002985, AL133081, AL133077, AL137283, A30543, I19505, U96138, AL122103, E07361, S71381, E12888, AL133084, AL133070, AF132676, AL049423, AF061836, M30514, Y07915, AR034821, AR034830, I96214</p> |
| 1912 | HBJJL05 | 878207 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 540 of SEQ ID NO:1911, b is an integer of 15 to 554, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1911, and where b is greater than or equal to a + 14.</p> | <p>W95797, AI815614, AA159571, AA001628, N47368, AI143890, AA485201, H27837, AA385921, T96878, AA382884, AA384878, W95754, H18148</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 540 of SEQ ID NO:1911, b is an integer of 15 to 554, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1911, and where b is greater than or equal to a + 14.</p> | <p>AI802901, AI889514, AA464368, AW026514, AI278645, AA315349, AA777364, AI741517, AW139143, N93194, AA632076, AA700910, AA456473, AI889524, AI160031, AA464386, AA464702, AI089651, AI057409, AI271327, AI921322,</p> |

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| | | is any integer between 1 to 1704 of SEQ ID NO:1912, b is an integer of 15 to 1718, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1912, and where b is greater than or equal to a + 14. | AA417376, AI689262, AA081418, AI611368, R83304, N99927, AW272715, AI281824, AA680361, AI278647, AW022859, AW268970, AI273221, AW264836, AW022729, AI184566, AA416981, AW020287, R52791, AI247775, AI924151, AI669435, AI093813, AI206016, AA888936, AW027977, AI269409, AW027941, AW250197, AI334129, AI474405, N34475, AA351606, AA435915, AI270365, AW022849, AA650241, AA629813, AA594133, AI358262, AA972239, N63595, AI538989, AI075918, AI431608, AI094322, AI868462, AA454579, AW379850, AW005549, AI088724, AI240714, AI421046, AI493454, H81794, AI348002, AI935462, AI702637, AA730245, AI982825, T06003, AI338374, AA173157, AI767408, AA417194, AA493371, AI688358, AW167434, AI688521, AI961941, AW269290, AA351839, AA024843, AA319841, AA675922, N57835, AA464275, AA491623, AI263242, AA812261, AI566133, AA527515, AA478734, AI700650, AA527428, AI393134, AI359837, AI591187, AA352936, AA364692, AW167540, F09704, AI432014, AI241621, AI768245, AA380399, AI739437, R95684, AI248967, T66281, AA516011, AI919046, T98208, AA582002, AA747622, AI523723, AI348587, AI904291, R83399, AI784373, H29486, R94431, AA256650, N42879, AI032060, AI887086, AA235236, T98967, AI056747, AA306667, AA768239, W38780, T98209, AA642247, AI554380, AW302197, AI816825, AI766194, AW207784, AW376043, C02058, AI033452, AC000378, AB019038, Z66003, Z66002, Z65575 |
| 1913 | HE2HC14 | 878238 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1961 of |

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| | SEQ ID NO:1913, b is an integer of 15 to 1975, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1913, and where b is greater than or equal to a + 14. | AI636042, AW375181, AW365198, AI813938, AI765135, AI074596, AA418593, AW178083, AI498407, AI654773, AW351962, AW177876, AI366827, AW178077, AW020441, AA806382, AW178182, AW178076, AW178081, AW177879, AW365184, AW366023, AW365168, AW375184, AA418655, AW177839, AW178084, AI468009, AI433820, AI692309, AW082896, AI927777, AW365192, AW387262, AI143953, AW365194, AA421501, AI271676, AA425855, AA854439, AW082902, AW177842, AW128928, AI392856, AW365398, AA421470, AW365185, AA535678, AI400413, AW365353, AW387278, AA680114, AI076707, AI285336, AW365392, AI581008, AW375185, AA938196, AI801859, AW089786, AI382040, AW365381, AW365201, AW375183, AI243492, AA973630, AI120271, AA649053, AW365405, AI698558, AA934487, AW366025, R98908, AI473267, H70023, AA976681, AW365408, AA806629, AW375120, AI536915, AW178078, AW365180, AW365183, AW003830, AW178085, AA400106, AA532939, H59432, AA719249, W85961, AW387263, H58724, AI301165, AW294007, AA463549, AA527345, AW262369, AI830518, AA832369, AI383837, AI216813, AA280430, AW177877, AW365189, AW177079, AI288375, AW375133, AA515868, AW375160, AW243710, AW375442, R98681, AA932395, AW169226, AA188895, AI335817, AW365411, AW365146, AW365417, AW382189, AW365202, AW382124, W24191, AI635752, AI868465, AA280348, AW365182, R97677, AW365412, H56644, W72745, AW177846, AW365404, AW365402, AW365359, AA424055, AW177974, AW365164, N91771, AW365193, AW351813, W85877, D20462, AW365388, AW375179, AW375130, R84876, AW365362, C01884, AW351560, AW375422, AW365364, AW366058, AA936703, AC008040 |
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| 1914 | HDTHI51 | 878274 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 494 of SEQ ID NO:1914, b is an integer of 15 to 508, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1914, and where b is greater than or equal to a + 14.</p> | <p>U18012, AA045933, AA128223, N72395, AA058726, AI834324, N86927, AA356189, AW351942, AA349355, W04179, AF203978, U34879, U43607, U43548</p> |
| 1915 | HRGDE77 | 878374 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2871 of SEQ ID NO:1915, b is an integer of 15 to 2885, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1915, and where b is greater than or equal to a + 14.</p> | <p>AL041566, AA477266, AI656936, AI951716, AI096374, AA477267, AI927648, AA292231, AA479878, AA922034, AI718425, AW340534, AA699300, AA443588, AI141913, AI150393, AI262030, AA824471, AA399440, AA427523, AA812642, AA293470, AA723836, AA994091, AA575922, W76034, AI985377, H49237, AW016407, AA143496, AI660111, R20962, AA873844, AA143497, R06788, AA808474, T79352, Z45236, F04128, R01824, AA503842, AI361214, T79783, AI918933, T39691, W72847, AW079858, AA987751, R00061, AA430714, AI424488, F08632, AA293015, H49238, F01790, AI873138, AW235170, AA693978, AW407497, AA548157, R06739, AA343968, AA227223, AA421387, AW082809, AI867963, R01094, AI823640, R42744, AW050670, AA226870, AB033010, AL137675</p> |
| 1916 | HHFHR53 | 878403 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2994 of SEQ ID NO:1916, b is an integer of 15 to 3008, where both a and b</p> | <p>AL048840, AI064902, AW249691, AI872413, AW243294, AL138300, AI590076, AA100757, AW004004, AI923006, AA587051, AA279533, AW183520, AI419833, AW292319, AA214039, AI078293, AI082751, AI015661, AW167064, AA427783, AW117731, AW169146, AA070150, AW088356, AI336423, AI803586, AA100821, AL048839, AW105007, AA332665, AW021472, W93478,</p> |

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| 1917 | HTPAY82 | 878433 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1916, and where b is greater than or equal to a + 14.</p> | AA211303, R51407, AA040271, AI128507, AI824743, AI520729, AA279532, N62195, AA770032, AI991817, W67473, AA309583, AW392599, AA976795, R14643, AA976594, AI216760, AA442972, R53567, AA369897, AI364305, T56013, AW021133, AA016204, R53679, AA620855, H73568, AI521207, AA554353, AA209214, AA369896, AI832743, AA609475, AI536106, W67474, AI672267, AA563648, AI824485, AI561042, AA040252, AI383108, AA579428, AA305720, T91394, T04986, R45624, T86544, R29736, C00010, T29665, T05066, AA887773, AI985106, T85482, AW243484, N76492, AA720874, AA573214, AI125103, AW021569, AA305679, L25798, X66435, AL079334, AL050004, L00334, L00330 |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1917, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1917, and where b is greater than or equal to a + 14.</p> | AI078580, AI743235, AA429945, W93646, AA455042, AI128804, AI826623, AA516431, AI989747, AW183193, AI141284, AI989739, AA702011, AA911088, AA989129, AA876539, AA477156, AA305052, W19506, N89912, AI265924, AA644621, W38899, W52820, AI633679, AA987264, AI263261, AI371387, AI349474, AA805723, T90569, N95062, W93906, AI198595, AA946978, AI419292, AI198127, AA778301, AI631831, AI352478, AI693357, AA927461, T97984, AA341602, AA035640, AA356704, AA338760, AA295467, AI933253, AA374253, AL044098, AI206661, AA780176, R02479, AI123118, AA338761, AA234074, T98061, T83106, AA193255, AA479657, AF104628, AI220255, AI857454, AF096895, AF057306, AF135380, AF135381, AF145216, AW084650, AA088424, AI697069, AA172042, AA838417, AA172044, AI744623, AI627227, AI630224, AA993207, AI371167, AI949142, AI890821, AA609797, AI018761, AW372890, AI814927, AA625264, AI954856, AA993191, AA614086, H05584, AI961696, R39132, AI632376, AI143462, AW136636, AA722935, AA172197, D20763, |
| 1918 | HMUBQ39 | 878436 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1805 of SEQ ID NO:1918, b is an integer of</p> | |

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| | | <p>15 to 1819, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1918, and where b is greater than or equal to a + 14.</p> | <p>AA701379, F06989, AA148617, AW044004, R21296, R44866, AA191290, AA172201, AI970448, AW361154, AI627401, N42449, AI224491, AA635934, R14008, H05119, R18980, T26664, T16725, F07496, T59139, AA372447, AA092086, F31653, Z40099, AW271655, AA993655, R32993, R46141, AI472512, T59062, T26665, Z40560, R32717, AA148756, AA374317, AA585413, AA064920, AI917682, AA625242, R32994, AW362703, AW372891, AW386147, R25109, R25628, R63578, AA828475, R31750, AI468622, AI491710, AI540458, AI814841, AI570152, AW079699, AI499285, AA836253, R40363, AI688854, AI696714, AI954475, AI689096, H03560, AI368579, AI357049, AI560184, AI469505, AI687295, AA767252, AI890654, AI280732, AW083750, AI445877, AA923096, AI341690, AI888575, AI697178, AI765469, AW075921, R30844, AI702494, AI359787, AI417754, AW104141, AI867017, AA742592, AI688959, AA741502, AA765659, AW193231, AI633330, AI679261, AI498288, AI890995, AW235487, AI749231, AA761557, AI589140, AI590785, AI623980, AI590755, AC005216, U56252, AF102578, AF038847, U67810, A85213, AB015752, AF047716, AI137490, AC006314, Z73979, AP000299, AF039907, AL049552</p> | |
| 1919 | HCEYN60 | 878560 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 563 of SEQ ID NO:1919, b is an integer of 15 to 577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1919, and where b is greater</p> | <p>AI828920, AI866163, AI581670, AF108139, AF015770, U94350, T46897, R40801, R49803, R49845, R40801, R78750, R79059, R81613, H13785, H13786, H26105, H49579, H49658, H61321, H61596, H62359, N23682, AA002170, AA039225, AA045879, AA045878, AA053472, AA083358, AA146754, AA171927, AA173260, AA181967, AA186968, AA215430, AA215576, AA494375, AA554350, AA565187, AA582635, AA594327, AA612625, AA878313, AA886926, AA887637, AA908475, AA939096, AI051140, AI083860, AA641276,</p> |

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| 1920 | HWHGF46 | 878800 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2101 of SEQ ID NO:1920, b is an integer of 15 to 2115, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1920, and where b is greater than or equal to $a + 14$.</p> | AA205608, AA284538, AA411196, AA410243, AA411096, AA436335, AA478263, AA478319, AA609270, AA628990, Z19827, AA719345, AA769770, AA776741, AI018379, D19640, AI305530, AI307824, AI344950, AI349732, AI363496, AI368551, AI434470, AI561271, AI498585, AI423077, AI147393, AI167340, AI224833, AI174303, AI187983, AI659839 AA814195, AI457718, AI085388, AI765650, AA633558, AI379449, AI476182, AI419034, AI037888, AI148797, AA028963, AW009541, AW051402, W67841, AA687642, AA934498, AI079438, W67782, AA035136, AI016426, AI304821, AA085457, AI808210, AA098932, AI685969, W39585, AI685970, AI038819, AI219571, AI580447, AA485877, AA487780, W42434, AA594455, AI865081, AI085147, AI202241, AA632996, AA035135, D45612, AA991990, AC006261, AL031985, AL021154, AC006449, AL008718, Z95329, AC004950, AC002349, AL031846, AF146367 |
| 1921 | HPMSF50 | 878909 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3939 of SEQ ID NO:1921, b is an integer of 15 to 3953, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1921, and where b is greater than or equal to $a + 14$.</p> | AL045860, N58437, AI525782, AI688578, AA007479, AA310929, AA906018, N41678, AW084721, N59420, AA007400, AA234496, AI810048, AI394367, AW273848, AI400139, AI659487, AI168584, AW247506, AW245091, AA232997, AW148684, AA235036, AW242278, AA236538, AA206161, N78027, AA630558, AI128065, N76782, AW297277, AA497021, AA877580, AA931472, AA351722, AA232945, AI208004, AA885392, N71533, H09450, AA554688, AA983994, AI221004, AA235204, H54147, AA460203, AA985683, AI681824, N22166, AA889639, AA668373, H81138, AA678603, R97728, AW291709, AI346634, AA337087, T56721, C14300, AA310347, AA359522, AI032752, AA705700, R68352, R10225, C14263, T40018, H81043, T56722, C14304, R68562, AI369399, R96796, AA333514, AA459932, H57429, |

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| 1922 | HTWEA61 | 878917 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1978 of SEQ ID NO:1922, b is an integer of 15 to 1992, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1922, and where b is greater than or equal to a + 14.</p> | <p>AI758833, AA836349, C14291, AA902529, C14302, C14277, D59495, R10732, N93792, AI032107, AA665646, R12861, AA384438, AA682859, AI904934, AI904935, D80004</p> <p>AI826538, AI267318, AI688542, AI052104, AI376453, AI818589, AW029328, AI678648, AW192514, AI566340, AI972077, AI811155, AI936746, AI089502, AI372947, AI004230, AI354532, AI119666, AI084362, AI027083, AI691080, AA621070, AI744332, AI149953, AI149949, AI150745, AI199180, AI625208, AI003733, W20002, AW074007, AI627187, AW242075, AW130451, AI014764, AI091649, AA041468, W55944, AI445868, AW151070, AI005484, AI092273, AA040575, AI689545, AI524423, AI521587, AA908191, AI689268, AI270577, AI372494, AI619883, AI538583, AW263138, AA040673, AI368864, AW316596, AI539834, AI952557, AA721376, R19495, AA662403, AW085967, T75472, AA808860, N78681, N32970, AA176087, AI125767, AA740389, AI074758, AA300365, AW090571, AA894651, AI372493, AI680268, AI547225, F13229, AA383093, AA814692, AA386145, AA970611, AA302328, AI536066, D31244, Z44196, H20558, T48533, AI350433, AW243606, AI784415, AA063203, D82747, W26208, AA471277, AA903068, AI680414, AL038664, AA664940, AA897635, AI535982, D31438, AI419708, AW275741, AA386197, R62151, AI051237, R62259, W28043, R39290, AI250661, F10830, AI695489, AA343846, R43842, AA334321, AA093703, D56184, AA845417, AA332748, Z40172, D80027, R38429, AI524545, AA095572, W15187, T28780, T27330, F24108, AI611841, AA176086, AW375368, AI521566, AA323934, AW163010, AW292131, AW021288, AA329440, D81428, AA344329, AA039822, AW375337, AW270647, AW149580, F35697, AA148318,</p> |
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| 1926 | HHFJJ61 | 879386 | <p>the general formula of a-b, where a is any integer between 1 to 3897 of SEQ ID NO:1925, b is an integer of 15 to 3911, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1925, and where b is greater than or equal to a + 14.</p> | <p>AI088798, AI123932, AI348513, AA916423, AI346237, AI697840, AI346773, AI827270, AI763317, AI763320, AA609447, AA024428, AA948406, AW149724, AI435604, AA946618, AI950301, AW149541, R36320, AI923233, AI860454, AI814488, AA232203, H43798, AW374530, F11803, F06514, AW131707, AI285224, AA457235, R88044, AW013905, H23601, N51357, AA568172, Z43390, AA758706, AI927091, Z39461, AA936791, H23640, H43806, AA364902, AI802791, AA864755, T33777, F02788, H42258, F09452, AA583801, T65604, R43369, T65538, H40427, AA336254, W94547, AA416590, R44402, N56604, AW004746, R19614, AA580399, W78003, AA463368, AW293983, AW374487, AA513346, N29649, AA837760, AA024429, AI695172, R17652, AW448962, AA232743, AA973192, AA652557, AA463872, AA327631, AA470625, R49252, AA773793, AA351733, W79462, AA757309, X85664, AA480653, R65673, AA719939, X85665, AI972788, AI972806, AA933622, AA916725, AW006745, AL137343</p> |
| 1927 | H2CAA49 | 879484 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1027 of SEQ ID NO:1926, b is an integer of 15 to 1041, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1926, and where b is greater than or equal to a + 14.</p> | <p>R93802, AA130402, H07960, AW250644, H85944, R85969, AA095215, AA036855, AA215398, AA308813, AW250378, AA324032, AF161516, AF152097</p> |
| 1927 | H2CAA49 | 879484 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AI279876, AI539769, AA876127, AI963800, AA206425, AI969470, AI951966, AA459503, AA778294, AA639198, AA446426, AI334209, AI150191, AI281280, AW149760, AA446118,</p> |

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| <p>the general formula of a-b, where a is any integer between 1 to 2296 of SEQ ID NO:1927, b is an integer of 15 to 2310, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1927, and where b is greater than or equal to a + 14.</p> | <p>AA459274, AA236997, AI587101, AA946837, AI922323, AI198839, AA568602, AA777025, AW376909, AI127770, AI139373, AI753243, AA789258, N95643, AI754062, AA236574, AI140786, C75603, AA075484, AA251521, AA587266, AW439362, AI121103, AA213367, AA837311, AI187231, AA227539, AI344110, H67810, W95535, AI400951, T65536, AA872668, AI192986, C17463, AI859211, AA470471, T17222, AW192135, AA075621, AA506763, AW139044, AI913866, AA192466, AA165156, AI826398, AA678954, AI271344, AA113939, C05669, AA137249, H17790, F11801, AA164768, C75565, R89384, T16445, T69722, N66040, C18698, H59003, AA503343, AA339152, AI025443, D81644, R78076, H58956, D60375, F06655, H58600, AA514607, H02142, AA164700, AA055768, AA306967, T70379, AI568159, C21496, W95420, H68082, AI572235, AA382754, AA989472, T35523, H02038, T65602, AA236620, AW363691, AA142866, R01641, F09450, AA524392, T85647, Z39669, H17791, H58601, AA382619, T84903, AW303874, AA365866, T97378, AA165228, AA838767, AA165229, R42323, AI025112, AW029182, AA865982, T91320, C00668, T99684, T82109, T39127, AA471242, R16395, T67084, Z21083, T39128, R42337, AW390645, R01549, H77482, R16380, AA937248, AA199583, AA528463, T97267, AW005487, AA586445, AA084485, U90736, AA934719, AA327356, T87388, AI826239, AA137250, AW385433, AW385409, Z20096, AI924498, AA513297, AW080588, AA558986, AI926128, AI581525, AI695291, AW196067, AI783818, AI623264, AI400863, AA526975, AI445127, AI469613, AI933636, AI919084, AA632103, AA581848, AI888732, AI358508, AI469656, AI291994, AI275085, AI249798, AA552670, AA565996, AI040152, AI242802, AA884931, AI378681,</p> |
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| 1928 | HCRNW08 | 879595 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1928, b is an integer of 15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1928, and where b is greater than or equal to a + 14.</p> | <p>AI025266, AI434099, AA533047, AW272720, AI801054, AI888914, AI735767, AW304001, AI445913, AI436796, AW190856, AI921153, AI380637, AI888294, AI634717, AI075324, AI815198, AI805627, AI932444, AW073291, AI891014, AA425142, AA622524, H67122, AI916480, AI146786, AA316874, AI678847, AA315049, AI817063, AA573742, AW152548, AW151674, AI610106, AI675865, AW152169, AI675714, AW027843, AI475938, AI685830, AA582017, AI473626, AW381550, AI445130, AI800451, AI800431, AI972701, AI678427, AI801784, AI582452, AI867585, AI972499, AI720013, AI278406, AI277266, AI082505, AW191880, AI537173, AI473553, AI925030, AI559391, AI471336, AF053641, U33286, AF038452, AF053642, AF053650, AF053651, AF038451, AF053640, AF007791, AF088867, AA570120</p> |
| 1928 | HCRNW08 | 879595 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1928, b is an integer of 15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1928, and where b is greater than or equal to a + 14.</p> | AA192153 |
| 1929 | HNTDJ29 | 879661 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1269 of</p> | <p>AA555115, AW083142, AW383992, AI819977, AI818981, AW302146, AI357211, AA970333, AA565308, AW391496, AA809752, AA043134, C18608, AA548230, AA565317, AI352620, AA554155, AA279358, AW392424, AA043611, AI433904, AA767874, AA370804, F33509, AW370978, AI500136,</p> |

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| 1930 | HCRNM29 | 879886 | <p>SEQ ID NO:1929, b is an integer of 15 to 1283, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1929, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 748 of SEQ ID NO:1930, b is an integer of 15 to 762, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1930, and where b is greater than or equal to a + 14.</p> | <p>AA360902, AA279306, AA370803, AC004677, AL078630</p> <p>AA040621, R64534, AA811265, AI582161, AA132065, AI222332, AA040620, AW001618, N40203, AI796277</p> |
| 1931 | HTPAM76 | 880071 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1619 of SEQ ID NO:1931, b is an integer of 15 to 1633, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1931, and where b is greater than or equal to a + 14.</p> | <p>AW387764, AW387814, AW387802, AW387787, AW387847, AI888586, AW387804, AA156240, AA156243, AA115637, AW388637, AW387768, AW073692, AW387860, AI828610, AA447697, AW078652, AA156747, AW387867, AA115638, AW387851, AA147510, AW387845, AA147381, AI671236, AA627367, AI302358, AW387765, AI589344, AA126967, AW194339, AA552339, AW274844, AA115437, AA631614, AA482223, AI336522, AI610638, AA464766, AA127119, AA148915, AI801445, AI888444, AA486631, AA481927, AI926413, AW058286, AA468787, AA156919, AI888332, AA115436, AW387859, AA129137, AA911832, AA480064, AW387887, AI446210, AA129136, AI935846, T93584, AW38675, AA486537, AA447849, AA373191, AI739001, AI536744, AA300698, AI926870, T79051, AW378720, T70156, AW387878, AW150592, AI805203, AI678275,</p> |

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| 1932 | HCHOB95 | 880074 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1112 of SEQ ID NO:1932, b is an integer of 15 to 1126, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1932, and where b is greater than or equal to a + 14.</p> | AA147111, AA148916, AW361440, AA482318, AI224997, AW361449, T92156, AA295139, AI932801, D45563, AI933650, AW351860, AI361188, AA588527, AW388036, AW382525, AW382549, AA078254, AA077989, AA078672, AA078071, H25470, N43950, H85417, AI990093, H82389, AI2622918, N27467, H83634, N27592, AA653768, W20391, AA481039, AC007688, AC004467, M60322, X52046, AL049610, AL008706, Z83745, AF084363, AF109905, AC003061, U56708, AL050318, M96253, AF035927, X92380, U59932, AF010237, Y17262, Y17265, U79975, U70436, AC002073, AF120983, AC005855, U69273 AA919098, AI829915, AI373763, AI769890, AI678073, AI186242, AI040323, AI096782, AW182824, AA877237, AI184171, AA843884, AA496249, AI684689, AA402540, W2754, AA099242, AA461621, AI688056, AA469089, AA476703, AA044210, AI312919, AA430750, AW340236, AI129433, AI332742, AI088802, AI203956, AA577035, AI375761, AI335585, AA862361, AA044080, AI658509, AA433943, AA991263, AA461447, AI658499, AI027869, AI222302, AI376235, AA496250, AI271959, N40335, AI806274, AA449309, AI808707, AA933843, AI184973, AA029128, AA287518, AI445857, AA316127, AI300822, N34296, AA206029, AI275858, AA133156, AI086991, AA973014, AA494516, AI146496, AI351577, AA524704, AA972426, W49681, AA143280, AA156594, AA989508, AA744580, AW296210, N27520, AA148505, AA523848, N50728, AA150804, W77953, AA099144, W49680, AA770602, N91132, N62734, R77333, W20508, AA150700, N50625, AA42714, AA910801, AA917918, AI027396, AI218157, AA927254, AI240835, AA804816, AA143389, AA321494, AA639009, AI971188, AA373176, N55054, AA604424, AA860473, AI915977, AA665452, |
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| 1933 | HLSAA96 | 880418 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1783 of SEQ ID NO:1933, b is an integer of 15 to 1797, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1933, and where b is greater than or equal to a + 14.</p> | <p>AI783651, AA953781, AA291501, AA668861, AA029999, AA649486, AA652093, AW132021, AA662005, AA364232, AI654194, N55669, AA883709, AA143334, AA372265, AA026564, N78458, AI472423, AA026472, AA313840, N55383, AF112214, DI7244, DI7071, AA706862</p> <p>AA429586, AW444874, AI920970, AA604806, AA431746, AA651708, AA847822, AA746501, AI051249, AI005487, AI368709, AI417856, AA009824, H06206, AW150601, H08319, AA830175, AA809393, AA765426, AW337780, AI435979, AA421703, AA508643, AA282694, H06207, T78170, R44287, R59778, AA768684, AI193720, AW235814, AA993048, R61320, T09292, AA503026, AA301325, AW084853, H08221, T84812, T78009, AA340198, AA009714, R23537, AI933451, AA649008, AA322332, AC004890</p> |
| 1934 | HBBMA61 | 880578 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 323 of SEQ ID NO:1934, b is an integer of 15 to 337, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1934, and where b is greater than or equal to a + 14.</p> | <p>AA934705, AI370920, AI744886, W86237, AA609163, AI082256, AI140436, N53361, AA968467, AI216727, N62199, AI143325, AI015198, AW236133, AA732867, AW341974, AI591092, AI141509, AA002163, N36129, R45071, R07479, Z38172, AA059224, T33713, AI469204, D11576, D11575, Z78385, N64142, T31044, AW243169, AA844013, AA417247, AL119457, AW392670, AL119324, AL119443, U46351, AL119497, U46350, AL119483, AL119319, U46347, AL119399, AL119484, AL119391, AL119418, Z99396, AL134531, AW372827, AW384394, AW363220, AL134533, AL119363, AL119355, U46349, AL119522, U46341, AL119439, AL119444, AL134538, AL119341, AL037205, AL119401, U46346, AL119335, AL119396, AL119496, AL134920, U46345, AF090190, AB026436, AR060234, AR066494, AR054110, A81671, AR069079</p> <p>AA984117, AW163623, AA311680, AA418057, AI144311, AL120308, AA056148, AA187561,</p> |
| 1935 | HE8QG48 | 880649 | <p>Preferably excluded from the present invention are one or more</p> | |

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| | | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1316 of SEQ ID NO:1935, b is an integer of 15 to 1330, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1935, and where b is greater than or equal to a + 14.</p> | | <p>AF072813, W01018, AA992009, AA325639, W19986, AA776635, T30663, T33734, AI878939, AA256403, D54700, AA405294, AA134519, Z43583, AA227076, F06381, AW204252, AA430244, AA938909, H30186, D58629, R52851, N98255, AA161199, AA100159, AA114264, H43926, R22746, R34517, AA233577, AA081447, AA324916, AW138505, AA157365, AA324268, H84964, AA019377, AA233273, H42692, W28863, N83234, AA233594, R17978, W81009, W99386, T34516, T35956, AA214355, AA324917, N42109, AA078753, AA010322, T32868, AW138540, AA094192, T32010, T31224, Z39649, T87432, R22276, AA359082, H46389, R99404, T10889, H39131, R16493, AA227062, AA984677, T05775, AI755053, AA362885, AA354497, AA918044, T34825, AA417901, AA134510, AA643681, AA579642, T34772, AI147468, AI336174, AW374188, H19354, AA357382, N55823, AA482456, AW273035, AA161200, AI911850, AW363734, AA430035, AA663961, AA707053, AA565772, AI276668, AA575906, AW337856, AA033587, AA256297, AI308794, AA587048, AI354787, R99312, AA626391, AF119297, AF059524, AR028523, AF059529, AF059525, AF059527, AF059526, U25265, AF059528</p> |
| 1936 | HHENW13 | 880694 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 664 of SEQ ID NO:1936, b is an integer of 15 to 678, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1936, and where b is greater than or equal to a + 14.</p> | <p>AI937291, AI991002, AW087339, AA464410, W37647, AI342395, AA237069, AA581972, AA594539, AW204762, AW276040, AI125339, AA167314, AI367075, AI803380, AA313202, AI264016, AA236870, AW167731, AI083960, AI991293, AI038896, AW205414, AI460022, AA694199, AI610383, AI707649, AI277698, R53610, AA305224, AW079550, AA430117, AA577381, AI074864, N23143, AA860618, AI801446, AA134966, AA724229, W32042, AI151318, W16866, R50528, R55254, AA135047, AA255556, AI189581, N32722, AA455580, AI244226, AL040668, W37383, AA844913, W93357, R50622,</p> |

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| 1937 | HE8SB64 | 880747 | | | <p>N79251, AW271218, AA908394, AI214414, R51941, W31353, AI669222, T32309, AI572502, T34020, AA456077, T30416, AA477701, AA477700, AA989005, N22935, W93445, AA026749, AA166984, T08224, AA883332, AA033670, AA255572, W03768, W31880, AB001740, AB012865, AB012727</p> <p>AI378788, AW070902, AI435602, AW138866, AA147037, AW383889, AI417256, AI420312, AW383890, AI565996, AI499115, AW383902, N21309, AA147128, AI767271, AA885289, AI750960, AI276772, AW102917, N46066, AI290500, H99543, AI302412, AI246663, AL046164, AI242761, N31244, AA233072, AA225024, H84766, H80004, H99544, M91216, H80005, H85099, AA226631, AI436734, AA460989, D29810</p> |
| 1938 | HKAEN78 | 880927 | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2414 of SEQ ID NO:1937, b is an integer of 15 to 2428, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1937, and where b is greater than or equal to a + 14.</p> | <p>AA306924, T73855, T83294, T85637</p> |
| 1939 | HOSML44 | 880994 | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 742 of</p> | <p>AA402002, AA522719, AA905625, AI091612, AI418276, AI560743, AW130435, AI992293, AI800639, AI204546, AA858118, AA813011, AI291876, AI703226, AW051814, AA846821, W19987, AI362691, AI356940, AI149942, AW008254, N55455, T79403, AI221349, AA975506, W96084, AW020847,</p> |

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| | | | SEQ ID NO:1939, b is an integer of 15 to 756, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1939, and where b is greater than or equal to a + 14. | AI240036, AI560812, AI300180, AI089271, H54573, AA505078, AA701943, AA232733, T90553, R94479, H38643, AW026456, AA768615, AA854918, T86974, W96085, R08289, R94069, H60026, AI685154, AA970179, AA885640, AW261910, AI283256, AW028863, AA883234, N80142, D52425, AA865830, N22716, AA906638, AA995348, AA282083, H95085, AA765503, AI240974, AA738193, AI207741, AA443008, N35116, H54683, AW128861, N23206, AA364712, AA402136, H96792, AI906874, AI025840, AI346239, D59957, H24210, H95663, N20084, H38653, N29785, H94256, AA063258, AI359626, H96607, N90414, T56966, R20754, AA384679, AI027068, AI370536, AI520954, T78586, R20753, D60276, AI362623, D80608, R54942, AI962075, Z28499, H53597, H18631, H91182, H48906, AA427748, AA301182, AI985444, AA972097, AA894582, AA609747, AI804799, D59884, AA492083, H54445, H67369, T27025, H96239, N79026, AA761468, AA972438, AA970691, AA235389, AA236543, AA815412, AA427749, F10605, H73921, AI923477, H61736, R89812, AI205301, AA247535, H69003, C01267, N56269, AI371632, AI345661, AA203698, AI252251, H96773, AI609846, AI349670, AA319076, N83178, AB018288 |
| 1940 | HTEEZ62 | 881052 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1870 of SEQ ID NO:1940, b is an integer of 15 to 1884, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1940, and where b is greater | AI621215, AI950251, AI564193, AA308190, AW271945, AI560075, AI581089, AI561182, AA603342, AI135260, AW338106, AA505767, AA88065, AI625041, AI909320, AI357213, AA962704, AI911938, H29506, AA353956, AI928495, AA211037, AA581961, AI750915, AA516054, AI750267, AA249644, AA211203, AI493165, AW389552, AA104012, AI905441, AI887429, AI498683, AI453000, AW362831, AA622090, AA182761, AI739109, AA182641, Z42725, AA638984, AW389580, T48739, D19877, AA486796, AI697765, |

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| 1941 | HOAAH52 | 881074 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2717 of SEQ ID NO:1941, b is an integer of 15 to 2731, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1941, and where b is greater than or equal to $a + 14$.</p> | <p>AI300924, AI873826, N41871, AB020657, AF161553, AJ012449, AL078644, AR018872, AL137640</p> <p>AI638708, AW370588, AA604391, AI638200, AL046090, AI052244, AW055067, AW055206, AA224549, AW375847, AI679109, AL042378, AI621228, AW055056, AI633697, AW131512, AI858264, AI652500, AA418385, AW007559, AI347910, AA633193, AI417517, AA418455, AL039518, AI379655, AI735776, AI580118, AI611056, AI767569, AI332364, AW006925, AA431974, AI566498, AA458620, AI333573, R93775, AA633310, AI804397, AW190968, AI304495, AW025852, AI077447, AI278898, AA854076, AA400042, AI081935, H48411, AI061256, AI346015, AI042287, AI200205, AI298915, AI150973, AI400748, AA705014, AI921341, AI206630, AA258351, AI493294, AA418302, W80672, AI378534, AI367993, W80671, AI093517, AI445930, AI307183, AA467763, AA418344, AA401498, AI267890, AI953454, AI271612, N72284, AA937447, AA469431, AI361498, AI208143, AA725419, AA296397, AA507583, AA150850, AI207267, AA865832, H18576, AI056172, W60546, H13134, AI754190, AW338131, AA227538, AI569024, R69127, AA911897, AI028185, N73581, R80599, N91387, H63197, AA232897, AI640853, AA150542, Z43515, AI358148, AA921728, N67115, AA132871, AI288107, AA400712, AA742907, R80307, AI290519, AI952567, R11774, R68082, H60801, H60800, R69246, T67909, T64951, AI868438, T32394, AA936201, AI537951, AW235108, AA232896, N70399, AA342399, T69432, H82789, AA360349, AI263563, H63112, AA937988, R80600, AI580686, AA857394, AI678572, H18469, W04986, AA321926, AA610546, H57599, R80203, R91273, H57600, T68057, H82690, N75387, AA852406, AL039517, T52512, AL043057, R93722, N76405,</p> |
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| 1942 | HSDXB50 | 881104 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 735 of SEQ ID NO:1942, b is an integer of 15 to 749, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1942, and where b is greater than or equal to a + 14.</p> | <p>AI537427, AA400660, H82428, Z40015, H18502, AL044808, F04916, R98833, AI474154, AI478281, AI934138, T96021, AA133024, Z43958, AI679684, T54446, AA371002, AL045017, R68119, T16415, AW271181, AA403235, AA676809, T70487, AA626926, R37695, F02870, H51082, R97530, AW389296, AA247471, AI932299, AW376391, Z44495, AW371130, R82536, AI933296, AL044806, AL043245, AI672519, AI133627, D87438</p> <p>AI816760, AI346903, AI189171, AI860301, AA284405, AI340328, AA485290, AW028742, AW073309, AI539128, AI749857, AA910895, N77735, AI805446, AI422690, AA868655, AA046578, AI038920, T32229, AI936194, AA742438, AW001568, AA657742, AW170086, W25066, AA296692, AI077505, AI375014, T95167, AI126547, W16677, AI370853, AI348244, N36073, N26915, AI346077, AI748952, T63086, AI432379, AA127847, AW073849, W01205, AI082289, W31500, N74204, AI753574, AI093341, AI278762, T82102, AI246120, AI735203, AW059835, AA877544, AA706829, AI129303, AI361287, AW249798, AA594759, AA524456, AA542925, AI240209, AA126112, AA934763, AI342601, AI052791, AI857321, AI128632, AI340141, AW118892, N25202, AA814658, AI041906, D11489, AA485295, AW002059, AI370689, AA553675, AA729483, W40151, AA482356, AA903651, AA994633, AI609301, AI459183, AA195893, AW088630, AI561215, AI800091, AW248136, AL050318, AF112213, S83364</p> <p>AA742438, AI346903, AW170086, AI816760, AI189171, AI432379, AI860301, AI340328, AW028742, AW073309, AI422690, AA161296, AI126547, AI749857, N74204, AA910895, AI129303, AI038920, AI246120, AI936194, AI077505, AW249798, AA877544, AI735203, AA926687,</p> |
| 1943 | HFKMJ24 | 881105 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1208 of</p> | |

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| | | | SEQ ID NO:1943, b is an integer of 15 to 1222, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1943, and where b is greater than or equal to a + 14. | AA868655, AA542925, AI375014, AA934763, AI128632, AI340141, AW118892, N92840, AI240209, AI348244, AA706829, N25202, AI346077, AI342321, AI748952, AI857321, AW002059, AA553675, AI052791, AA127847, AA814658, AI041906, AA983612, AI609301, AA994633, AW006650, AI400295, AA729483, AI459183, AA903651, AI800091, AI561215, H09610, AW088630, AI683272, AI753574, AI719306, AI359224, AI278762, T32229, AI819003, AI093341, D11489, AI342601, AW300745, AI374975, AI346938, AI183409, AI423782, AA126006, AA612604, AA161217, AA846503, AI284860, AI275160, N80744, H06158, AA844576, W16677, AI310420, AI539128, AA996156, AA046578, AA737921, AI985064, W04601, N58366, AI827968, AA719050, N26915, AI091923, AI262701, AA524456, AI674584, AA873274, AI698929, AA485290, AA292533, R99586, AI079471, AA806662, AI361287, T81787, AI370853, W31500, AW193899, AI082289, AI805446, AA583430, T58149, H17502, F30305, AA594759, W25066, AW248136, AA195893, N77735, T95072, F30309, AA482356, AA657742, AA284405, AW059835, AW103745, T95167, R35655, T82102, AI370689, AA485295, T23459, AW366963, AA564661, T63086, W40151, AA484058, AW001568, AA642325, AA126112, AA296692, W01205, AA305476, N36073, AA192315, AA911901, N79525, AI784438, AW073849, AA913441, AA534551, T24804, AI074360, AW193751, H90230, AF112213, AL050318, S83364, AA689442 AI924972, AL046288, AW189048, W89124, AI091620, AA492579, AA588728, AI439428, AA449355, AA634228, AI146362, AA043859, AA581516, AA507328, AI469226, AA146720, AI056656, AA765659, N64539, AL046287, AW402025, AA312475, AI457992, AW005493, AA292416, AA449614, AA742592, AA465004, AA405756, AA078819, |
| 1944 | HEOQC11 | 881219 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2772 of SEQ ID NO:1944, b is an integer of | |

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| 1945 | HWMBI22 | 881221 | <p>15 to 2786, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1944, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1469 of SEQ ID NO:1945, b is an integer of 15 to 1483, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1945, and where b is greater than or equal to a + 14.</p> | AA613822, N64732, AA405775, AA196964, AA367635, AA373433, W88918, AA504065, AA652295, N91745, T79620, AA996002, F25128, AI364464, AA515314, AA394253, AA078918, AI909748, AA455284, N80334, AL044772, AA377702, AA742682, AI583136, AI907986, AI909746, AA146721, T79705, AI798856, AW177744, AA037697, H55648, AA767252, AA810554, AA814521, AI675619, AI872260, AW370721, R32993, D78805, D78848, AW078800, AW082532, AW020164, AI245304, AI688854, AI492648, AL096741, AC004882, AC005529, Z82171 AI800907, AI949684, AI052333, AW131568, AA732570, AA769120, AI743959, AI436302, AW082175, AW273742, AI677956, AA037263, AA885367, AA761521, AI936106, AI433128, AI292313, AI458263, AI687626, AI378687, AI187910, AI289598, AI378924, AI224510, AI808484, AA890001, AI363454, AW340276, AI077398, AI168640, W89211, W88447, AI566016, AL043030, AA836573, AA768422, AA634503, AI141297, AI539216, AA918633, AI350946, AA825685, AA515491, AA994089, AA609078, AA761310, AI628981, AI206686, AW105192, AA776321, AA676705, AI676082, AA363995, D62240, AI094091, AI300249, AI400742, T98450, AI809452, N75907, U66469, U66471 AI344189, AI693945, N91690, AI457192, AW150901, AI798181, AA503831, AI458569, W86357, W86242, N92074, T79381, W86600, AI915320, W90710, R94236, AI282976, R94333, AA470366, T55160, H47818, T79811, W01906, N71011, AI702229, T54994, AA336878, N68860, AI613011, AI733775, T61655, AA120932, AA579769, H24026, AW170681, AI611475, AI243696, AI523317, T90991, AW148344, AA345280, AI908519, AI051595, AA885499, W80464, AA917596, AI380135, N29558, AI867394, AA250763, |
| 1946 | HETDL42 | 882330 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1573 of SEQ ID NO:1946, b is an integer of 15 to 1587, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | |

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| | | NO:1946, and where b is greater than or equal to a + 14. | AI284328, AI803101, AW440273, AA603344, AW148392, AA453747, H80554, AA453828, AA528253, W80573, AI254217, AW183037, AI419419, AI423034, AI305512, H65206, AA989137, AI559284, AI659077, AI935032, AW304485, AI611561, AA483217, AW440223, AI073889, T57089, AL046966, AI144070, AA962018, AA112330, AA630098, AI419982, AA954260, W93927, AW173728, R28013, AA146651, AI583416, AA668673, AA191610, F34079, AA703680, AA568394, AI053711, AW270496, AA069314, AI357477, AL041838, W02028, AA706521, AA664331, H89224, AW085628, AI207861, AI253208, AI744801, AW014689, AI769492, AI251385, AW271017, AI971131, AI053588, F34082, AI493025, AI252712, AA931216, AI991553, AI053773, AI311753, AI174685, T92433, N53462, AI805022, AA679798, AI252858, AI053963, AW086339, AA888155, AL135273, AI792443, AA083383, W92523, AI400721, AA504865, AW262442, AA789229, AI250275, AA011377, AI251700, AI254684, AI244896, AW134612, AW052205, AC011456, AC004605, AF050157, AL109654, AC005919, AC004062, U52112, AF030001, AC006289, AL132774, AL049636, AC006115, AC003949, AP000518, AL023584, AJ133269, AL078630, AL035663, AF054504, AC006239, AP000338, AL031056, AC004914, AP000216, AC002467, AC005060, AC007688, AC004638, AF130342, AF084363, AF107258, AC003976, AC004551, AC002072, AC005619, AP000080, X79283, AF126403, AC003061, AC005972, AF095725, AC005921, AF052041, AL049780, AC004051, AC016026, AC005304, AF109905, AC007707, AF111103, AC005580, AL031864, AC006039, AC005740, AL022401, AC003107, AC006012, AC003664, AC006371, AC005587, AL031737, AF001549, AP000014, U85195, AC002470, |
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| | AC006120, AC005743, AE000658, AC004807, AL034406, AL132994, X06328, AL121754, Z85987, AC004888, AC003971, Z97987, AF091512, X07200, AC006387, AC004126, AJ006996, AC006525, AL033533, AC007528, AC003684, AC006328, AJ003147, AP000208, AP000130, X15051, AC005599, AC006112, AC006333, AP000247, AL023653, U62317, X15052, AL022333, AC002543, AC004934, AF139987, AL096816, AC004029, AC005855, U82668, AP000952, AF229844, Z82203, AP000039, AC016025, U66059, AC004032, AF125314, AC000116, AC003694, AC005172, AC005277, AC011331, AC006370, Z86062, AP000104, AC005772, AC004033, AC005878, AL033518, AL009047, AC007277, AL031010, AL024509, AC006285, AC005701, AC008080, AF131205, AL023513, Z99916, AC007425, AL121657, AC002080, AC000115, AC009069, AL031655, AC000105, AC005881, AF130248, AC006368, AL080272, Z82244, AL031228, AC009396, AC007115, AC011013, AC005386, AC007899, AP000961, AF109719, AF107256, AC006445, AC002331, AL049692, AC007993, AF064858, AP000081, AC002109, AL049866, AC006945, AC005184, AC006013, AC004125, AC007314, AC005303, AC002528, AL133448, AC007359, AC004859, AC007878, AC005189, AL008721, AL035458, AC005938, AL031776, AC004466, AF196972, AC005752, AL049838, AP000402, AL109827, Z98748, AL109627, AC004910, Z82201, AC008175, AL034412, AC005960, AC005553, AC004848, AL049631, AP000697, AC004217, AC008984, AC006042, AC006989, AF212831, Z97054, AF027865, AC006382, AC008033, AC006966, AC007344, AF060568, AF044743, Z97353, AF130357, AL050307, AF107257, AC006398, AC005216, AL132641, AC002368, U91323, AB010266, AL023582, AL034549, AC007917, |
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| 1947 | HMEKW4 4 | 882715 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1993 of SEQ ID NO:1947, b is an integer of 15 to 2007, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1947, and where b is greater than or equal to a + 14.</p> | AL049779, AP000313, AC009802, AC004467, AF110520, Z47556, AC007542, AC002487, AP000194, AP001116, AL136363, AC004967, AL035684, AF034569, AA553612, AA813301, Z36965, D61366, AI216671, Z21245, AW152524, AI339525, AA483108, AI114701, AI720301, AI375684, AI066646, AI755202, AA584876, AA057530, AI341571, AW130427, AA584862, AW068996, AA569586, AW069783, AA679937, Z86040, AC007385, AL031230, AC009247, AB020874, AL049546, AL079304, AL021397, AL035078, AC004890, AC004990, AC007103, AC003009, AC004804, AL024498, AC004263, AC005844, AL034375, AC005723, U91326, AC005409, AL049539, AC006241, AC009509, AC007842, AC006430, AL031296, AC005086, AC010205, AL023578, AC007528, AC006377, AC005081, AC004070, U62293, AL021395, AC005368, AC005155, Z82214, AL133243, Z68276, AC006509, AC005229, AL133245, AC004087, AL031684, AP000141, AC004821, AP000500, AC006478, Z93017, AC008372, AC004859, AC004125, AC006229, AC006525, Z78022, AL022576, AC004796, AL035249, AC005181, AC004028, AP001137, Z85986, AF045448, D87675, AL049696, AF001549, AC005670, U91318, AC005483, AR036572, U91328, AL049713, AC005180, AI563939, AW250591, AA280100, AA148046, AI167949, AI160019, AA886389, AI679948, AI523219, AA147993, W94919, AI679440, AA307127, AA480164, N26434, R54543, AA064644, H08047, AI520745, H99329, R60593, R60646, AA064686, AA283759, AA280033, R54445, AA303581, H07940, W91972, H69540, AI250356, AA283994, R11288, AI085856, N70908, R11229, AI540673, AA809976, AA909579, AA775556 |
| 1948 | HCEDM42 | 882729 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1236 of SEQ ID NO:1948, b is an integer of 15 to 1250, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1948, and where b is greater</p> | |

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| 1949 | HCRNZ31 | 882762 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 2140 of SEQ ID NO:1949, b is an integer of 15 to 2154, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1949, and where b is greater than or equal to $a + 14$.</p> | <p>AW388071, AW388070, AW392828, AW170095, AI139114, AA130783, AI796575, AI582280, AW392825, AW392827, AI032971, AW388090, AI160038, AI631539, AI205291, AA143796, AI342617, AA086002, AI076563, AA50819, AW388098, AA086109, AI374885, AW392810, AA669949, AI146898, H99988, AA186384, AW392819, AA303484, AI335908, AI917197, AI094414, W32500, F02983, H77763, AA371674, D58760, AW131074, AA148180, AW392820, AA148700, AA130888, R72708, AA412284, AW363332, H77594, AA470006, AW079549, AA224383, AA151480, AA303341, R00959, AA150531, F04202, D59193, AA099042, R00958, AA650273, R43795, AI571527, AA151983, AA583490, F04991, W02164, AA303931, AA098988, AA149391, T28556, T17080, AW135027, AA148701, AA747401, AW406447, AI479148, N28704, AW021399, W01939, AW270652, AA601667, AL042054, N71729, T60887, X64123, Z98036, AC004231, AC005971, AC002558, AF129756, AC005514, AC005527, AL022316, AC003980, AC007014, AL133245, AL117344, AC003950, AC004233, AP000229</p> |
| 1950 | HWMBU8 9 | 883172 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of $a-b$, where a is any integer between 1 to 638 of SEQ ID NO:1950, b is an integer of 15 to 652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1950, and where b is greater than or equal to $a + 14$.</p> | <p>AA368362, T52098, R69052, R27072, AA397783, AA393589, T95399, AA912955, AW137196, AA155762, AA188555</p> |
| 1951 | HUFBY15 | 883201 | <p>Preferably excluded from the</p> | AA625286, AA303053, AA303052, AA297581 |

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| 1952 | HIBCE91 | 883254 | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 455 of SEQ ID NO:1951, b is an integer of 15 to 469, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1951, and where b is greater than or equal to a + 14. | W00425, AA349641, N42533, AI557558, AI557559, AW360991, R12333, AI557560, Z46216, AI890540, AA448602, N56299, AW103800, AC003007, AC005632 |
| 1953 | HWLKF77 | 883371 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 741 of SEQ ID NO:1952, b is an integer of 15 to 755, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1952, and where b is greater than or equal to a + 14. | AI478843, AA628092, AI816845, AI813678, AW269372, AI310217, AI742137, AI887196, AA722779, AA740417, AI363399, H94805, H95343, AA890712, AA643210, AI743293, AI362725, AI391652, AA410876, AI474205, AI261631, AI280434, AI832281, AW001746, AA449475, AI459617, AW152661, W32215, H61131, AI190504, AI282582, AI872611, W32179, AA449638, AI345648, AI271086, AI473071, AJ245719 |
| 1954 | HOGCA75 | 883753 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1008 of SEQ ID NO:1953, b is an integer of 15 to 1022, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1953, and where b is greater than or equal to a + 14. | AA523290, AA700004, AI927220, AW170580, W74492, |

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| | | <p>present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1762 of SEQ ID NO:1954, b is an integer of 15 to 1776, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1954, and where b is greater than or equal to a + 14.</p> | <p>AI859845, AI991311, AA522795, AI081052, AA535079, AI400364, AI335984, AW193221, AW170345, AA622540, AI273767, AW168283, AI188508, AA565989, AI559433, AI420481, AI246782, AI928146, AA157892, AA314960, AI281336, AW194453, AA838633, AA844471, AI401064, AI949231, AI911649, AI268908, AI874198, AI186144, AI819846, AI276313, AI874344, AI963847, AW193220, AI863584, AW167101, AW168206, AA149417, W79089, AA506616, AI564546, AL036495, AA434123, AI560666, AA149738, W02467, AA948146, C06165, AI660464, AW167111, AI961910, AI343369, AW194388, AI567796, AW009339, AA434059, AI739607, AI280032, R48300, AA551656, AW167849, AI346572, AI923100, AI005290, AI091394, H93341, AA295491, AI588982, AI819915, AI950029, AI991855, AI347074, AI347076, AI660868, AW374558, AI682624, AI348165, AI949885, AI347071, AW014104, AA582757, AI860565, AI222884, AI861959, AI283186, AI347501, AI305833, AI031766, AI346386, AI346944, AW189088, AI032425, AI283162, AI347072, H27323, AI214245, AI346606, AI743195, AW015201, AI347060, AI346569, AW275383, AI281140, AI346475, AI743978, AI274133, AI738882, AI273374, AI347930, AI738627, AI991114, AI097004, AI144005, AI304544, AA569935, AI281141, U46417, AA157596, AI274318, AI285074, AI346274, AI336454, AI346908, AW374542, AI339875, AI014860, AA293207, AI339827, AI861957, AI281257, AI243957, AI281300, AI336446, AI660830, AI347929, AI368165, AA477634, AA411444, AI343934, AI636236, AI274312, AI424819, AW024873, AI337303, AI339815, AI470046, AI690641, AI284953, AI284985,</p> |
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AI077453, AI304526, AI272752, AI283882,
AA149402, AI346977, AI345971, AI281170,
AA568902, AI274915, H27350, AI262634, AI217716,
AW000877, AW374541, AI818196, AI738744,
AI285000, AI348231, AI274936, AI263949,
AI347005, AW242694, AI280854, AI970403,
AI273369, AI346999, AI304778, AI739069,
AA574044, AI186095, AW167644, AI346193,
AI688345, AI346941, AI346989, AI281121,
AW043573, AA149303, AW024983, AI280872,
AI274189, AI915133, H44304, AI318406, AI272747,
AI273217, AA427468, AA574043, AI277124,
AI669863, AI245933, AI246742, AI262266,
AI873728, AI688346, AA633341, AA864657,
AI318388, AW016561, AI672959, AA434269, R12121,
AI262441, AA506660, AW299999, AI290431,
AI274388, AI312741, AW027199, AW044256, R36883,
AI741229, H93844, AI955566, AA506754, AI537131,
N72688, H13937, AI346220, AI394296, H27324,
AI222762, AI280169, AW374650, AI272760,
AW237322, AA916675, AI262447, AA923527,
AW136052, AA492265, AB000712, D88492, AB000714,
AF007189, AF095905, AJ011656, AC004643, M74067,
AJ130941, AJ249735, E13998, AL049423, AL133655,
U30290, AR005195, AL133607, AL133084, AL133070,
AL133053, AL133051, AL133049, AL133076,
AL133608, D87953, AL122101, AL133015, AL133057,
AF002985, AR055519, AR015970, AR034821,
AF114168, AL122049, AF126531, AC004213,
AF057300, AF057299, AF031147, Y17957, Y14735,
X70685, AF052110, X72624, T96099, R05961,
R05962, R48403, R50075, R50076, W21446,
AA430665, AA492185, AA505980, AA563652,
AA595940, AA622827, AA863314, AA886772,
AA284679, AA293130, AA293763, D25752, T24860,
AI540462

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| 1955 | HOGCI47 | 883799 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1115 of SEQ ID NO:1955, b is an integer of 15 to 1129, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1955, and where b is greater than or equal to a + 14.</p> | <p>AW054994, F33829, AI560717, AI268302, AW005178, F22745, AA284546, AW296592, AI298213, AI356840, AI493477, F36987, AI081004, AI038823, AI633219, T66954, T36169, W71988, Z39991, H50924, AA284816, F09164, AA043299, T31835, W78780, AA745562, H16657, AW262658, AA745578, AA744099, AI349099, AA989269, R72575, H51586, AA744396, T79883, W76380, H16514, H38527, AA995198, AA296888, AA541441, F11503, AI475083, AI302606, AA043300, AA886838, R54219, AI125823, T66953, AA745444, AW361009, AA296951, F03443, AA297044, AA335686, F05047, R37601, AA090754, AI970619, Z44304, AW374215, AI547101, R51823, AA783044, AA594940, AW176749, AA583598, T15585, R49122, AA085248, AF131774</p> |
| 1956 | HWLUT61 | 883945 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 265 of SEQ ID NO:1956, b is an integer of 15 to 279, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1956, and where b is greater than or equal to a + 14.</p> | <p>AI942421, AA588562, AI942402, AI520886, AI867203, AA995170, AA045481, AW380270, AI680440, AI362487, AI591163, R82350, AI934005, AW089784, C04722, AA046708, AI690012, AA016994, AI274637, AI872632, D19775, AI985406, AL049685, AL049792, AF093744</p> |
| 1957 | HLTBA42 | 883971 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 909 of SEQ ID NO:1957, b is an integer of 15 to 923, where both a and b correspond to the positions of</p> | <p>AI767559, AI631820, AI758931, AI758389, AW118708, AA630485, AA761469, AW195693, T89742, AA807177, AA361233, AI679708, AI244041, AI572549, AA947977, AI679134</p> |

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| 1961 | HSIFV30 | 884168 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1706 of SEQ ID NO:1960, b is an integer of 15 to 1720, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1960, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2840 of SEQ ID NO:1961, b is an integer of 15 to 2854, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1961, and where b is greater than or equal to a + 14.</p> | <p>AI803484, R78080, AI129966, AI925109, AI804159, AA279212, AA410910, AA678827, AI8660837, AI183591, AW316983, AI431314, AA766602, AA081236, AW194027, AI521521, Z38832, AA588351, AI923638, N39554, R22273, AA447188, AA769352, T52102, AA371263, AA259257, T60532, AA411209, R22218, Z42670, AA443811, AA969814, AA729654, AA259256, AI969030, AW409826, R24524</p> |
| 1962 | HNTSY52 | 884215 | <p>polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4073 of SEQ ID NO:1962, b is an integer of 15 to 4087, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1962, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4073 of SEQ ID NO:1962, b is an integer of 15 to 4087, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1962, and where b is greater than or equal to a + 14.</p> | <p>AI815240, AI631739, AA309645, AI696961, AI479235, AA307961, AI978872, AW195761, AA280818, AI990440, AW262762, AI809185, AI037930, AI637988, AI754009, AA181165, AA972531, AI817057, AI494056, AW073248, AA181166, AI826853, AI361369, AI149286, AI752584, W52618, AW339206, AW075435, AA115631, AI445241, AI523220, M62298, AA558913, AW368570, N51760, AA348679, AI735744, AW384980, AW384967, AI802541, Z19223, N35007, N74118, H03102, AA102848, Z25028, AI624448, AI279412, AI476071, AA385867, AA095022, AW194583, AI383593, AA360919, R79669, Z28444, AA506352, R26853, AA133388, AA330074, N30413, Z28730, AA020013,</p> |

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| 1963 | HCR043 | 884379 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 787 of SEQ ID NO:1963, b is an integer of 15 to 801, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1963, and where b is greater than or equal to a + 14.</p> | <p>AI954282, R79858, D31597, R77935, AA280996, H99307, AA020014, R27081, AI950631, AA295264, AA402581, AA093272, AA093324, AA248050, AI221843, N47215, AL080111, AR044142, AR044127</p> <p>AW374334, AI064813, T31706, T08905, R94666, T09212, T31698, T83796, AA714176, T27030, AI655004, AW239098, AF196972</p> |
| 1964 | HLWCF60 | 884529 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1612 of SEQ ID NO:1964, b is an integer of 15 to 1626, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1964, and where b is greater than or equal to a + 14.</p> | <p>AI083497, H14688, N77514, AW015613, H16869, AA377154, AW194949, AA378912, AW390260, H24407, AA307120, W39491, F25064, AA252725, AI539349, AA252714, H17215, AA136412, AA076537, AA076506, R57305, H06942, AA488566, AF151908</p> |
| 1965 | HWLKD85 | 884719 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 576 of SEQ ID NO:1965, b is an integer of 15 to 590, where both a and b</p> | <p>AA282838, AA121115, AA323118, AI351856, AA325395, AA248006, AB028859, AJ250137</p> |

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| 1966 | HCRMX54 | 885350 | <p>correspond to the positions of nucleotide residues shown in SEQ ID NO:1965, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1956 of SEQ ID NO:1966, b is an integer of 15 to 1970, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1966, and where b is greater than or equal to a + 14.</p> | <p>AL038837, AL037051, AL039074, AL039128, AL039109, AL039108, AL039659, AL039156, AL045337, AL039625, AL039648, AL039629, AL039678, AL042909, AL040992, AL039564, AL038531, AL037726, AL045353, AL036973, AL044407, AL039410, AL039423, AL039538, AL039386, AL044530, AL039566, AL039509, AL036725, AL045341, AL039150, AL036196, AL037639, AL038025, AL039924, AL036767, AL037615, AL038821, AL036117, AL036238, AL043441, AL045794, AL039085, T24119, T24112, AL036679, AW013814, AL043445, AL043422, AL037526, AL037027, AL037601, AL043423, AL036924, AL036964, AL036158, AL036765, H00069, AL036268, AL036733, AL037177, AL037054, AL036418, T23947, AL036998, T02921, AL036133, AW451070, AL037643, AL036132, AL037082, AL038851, AL036167, AL036163, AL037178, AL037049, AL037085, AL036190, AL037600, AL036914, AL036139, AL037047, AI535983, AL037124, AI535783, AL037021, AL036191, AW452756, Z99396, AL044960, AL036152, R47228, AL036900, D51250, AL036150, AL036227, AL048425, AL036207, AL036174, AL036953, AL036719, AL037679, T23659, D80253, AL036858, AL037077, AL036808, D59787, AL038043, AL037569, D80043, D59275, D80219, T48598, AA514190, Z25782, AL038447, D80227, AW450376, D80240, D80134, AA631969, AL037002, D51423, T11051, AL036999, D80210, Z25783, D59619, H00072, AL037016, C14227, AL037094, AL036630, D80193, D80196, AW135155, D80168, AL039440, D59927, AI557751,</p> |
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AL036229, AL039076, AL037742, D80366, AL043868,
AW392670, AL038509, AL039077, AL119457,
AL119324, AI142134, AL042544, C75259, AW451416,
AL119443, AL119399, AL038520, AW384394,
AW372827, AW363220, AL119497, AL119319,
AL119355, AL119483, AL119363, U46349, AL119391,
AL119484, C14389, U46341, U46350, AL119522,
AL119418, U46351, AL119341, AL119335, AL039504,
AL039555, AL039521, AL119396, AL039476,
AL043586, AL044412, AL044364, U46346, AL119496,
U46347, AL119444, AL036836, AL043011, D59889,
AL037205, AL119439, AL042984, AL119464,
AL134527, AL134538, AL042614, AL042965,
AL042975, AL043029, U46345, Z96142, V00745,
X73004, AR036903, E13740, I19517, A76773,
A22413, I13349, A11245, A35536, A35537, A02135,
A02136, A10361, A04663, A04664, I08051,
AF118808, I01992, A92636, E03165, E02221,
E01614, E13364, X68127, A95051, AR062871,
AR031374, A49700, AR031375, A58521, AR020969,
AR025207, AR017907, AR036905, A38214, A44171,
I56772, I95540, AR018924, A63067, A51047,
A63064, AR018923, A48774, A63072, A48775,
AR068507, AR068506, AR015960, AR000007,
AR015961, A85477, AR035975, AJ244003, AJ244004,
AR035974, AR035977, A85396, AR035976, AR035978,
A25909, A98767, I19516, A93963, A93964, I63120,
A02712, I60241, I60242, A95052, AR043602,
AR043603, AR043601, A95117, A18053, I06859,
A18050, A23334, A75888, I70384, A60111, A23633,
AR007512, A23998, A84772, A84776, A84773,
A84775, AR062872, A84774, AR062873, AR067731,
AR037157, AR067732, A86792, A58522, A91750,
AR054109, A64081, A20702, A43189, A43188,
A20700, I18371, A92133, A58524, A58523, A24783,
A24782, A81878, I03343, AR022240, A97211,

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| | | | <p>A02710, E12615, AR035193, E14304, A07700, A13392, A13393, A27396, AR027100, I28266, I21869, A49045, E16678, E16636, A82653, A93016, D28584, I25027, I26929, I44515, I26928, I26930, I26927, A58525, A70040, A51384, AR038762, I49890, I44516, AF156296, AR000006, A58526, A91753, I00079, E16590, AF156294, AJ244005, AJ230933, A91965, A67220, Y11923, AR027069, A20701, A04710, Y11926, A52326, A15078, I00074, I03665, I03664, D88984, U87250, I66495, I66494, I66498, I66497, I66496, I66486, I66487, E00523, AR038286, I25041, I92483, I00077, AR008430, AF156303, AR028564, AR060673, AR060676, A49428, A08457, A08458, AF156299, I07429, A13038, A29289, X13220, D14548, D34614, A00782, A02741, A14595, A18755, A25856, I12245, A49695, A49696, A97221, AF019720, AF156302, S70644, A18722, AF156304, A91754, M32676, AB012117, AF096810, E06034, I69350, S65373, X58217, AR064706, I68636, A60957, I40851, I84554, I84553, A60968, A60983, Y11449, AF096793, AR066482, A60985, A60990, A60987, D44443, X15418, AB007195, Y17188, A10363, AF130655, X73003, I08250, X16234, E04616, I03663, I03666, I18302, S83538, Y11447, AR063812, I07888, Y11920</p> |
| 1967 | HTPHK88 | 885476 | <p>AA433834, AA427986, W38581, AA362763, AA331674, W05306, AA029735, AA331672, W93893, H46399, AI672548, AI637672, AA025077, R26502</p> |
| | | | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1208 of SEQ ID NO:1967, b is an integer of 15 to 1222, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1967, and where b is greater</p> |

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| 1968 | HCQBD35 | 885484 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1424 of SEQ ID NO:1968, b is an integer of 15 to 1438, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1968, and where b is greater than or equal to $a + 14$.</p> | AA056059, N55045, AI016561, AL035552, Z82975, AC004388, AC004993, AC010722, AC006924, AL033397, AL022151, Z84720, AL109654, AC005145, AL136297, AC004081, AL121823, AC007458, AP000493, AC005053, Z93403, L11910, Z72001, AC004911, AC002071, AL121654, Z99497, AL109758, AL133244, AL034377, AC002524, AC004998, AC002367, AL049588, AC006041, AL022164, AL031650, AL117667, Z83848, AC003080, AC005250 |
| 1969 | HLQFI67 | 885511 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1969, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1969, and where b is greater than or equal to $a + 14$.</p> | R08489, AI683117, AA724056, AI571789, AA489761, AW341505, AI590115, AI884695, AI651965, AI863337, AI028587, AI246696, AI920847, R76087, AI032590, AA835680, AA508647, AA765513, AI791278, H51121, AI568523, AA034147, AA513202, AA053714, T99214, AI821534, Z82198, Z82201, AC008014, AC005296, AL031782, AL133512, Z74696, AC008498, L81800, AC005871, AC002209, Z98744, AC003695, AC004559, AP001117, AC004616, AC004836, AC005069, AC004068, AL049648, U69569, AC006325, AC006256, AC007126, AC004106, AF093117, AL049828, AL023806, AC002078, Z72004, AL049734, AC005066, AC006406, AL023582, AC006368, Z70288, AL133246, AC008080, AF165175, AC007370, AC005539, AC007461, AC005738, AL023579, AL022477, AL035684, AL022576, AC002526, AC007542, AL132800, AF165176, AL078598, AC008126, AC008072, AF064860, AL031681, AC007385, AC005232, AC004885, AC007103, AC005157, AF000660, AC004063, AC003046, AL035686, AC007016, AL078602, AL109612, AL117355, U85197, AJ010598, AL135746, AC006143, AC006032, AL035667, AP000243, |

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| 1970 | HAIJBV26 | 886331 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 761 of SEQ ID NO:1970, b is an integer of 15 to 775, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1970, and where b is greater than or equal to a + 14.</p> | <p>AP000203, AL034417, AF042090, U71148, AC005533, AC004042, AL079352, AL049844, AL031123, AC004788, AC003119, AC007786, AL031965</p> <p>AW160977, AW392670, AL119483, AL119497, AL119443, U46341, AW372827, AW384394, AW363220, AL119319, AL119457, AL042975, AL119324, Z99396, U46351, AL119484, AL119363, AL119341, AL119391, AL119355, U46350, U46347, U46349, AL119444, AL134902, AL119396, U46346, AL119335, AL043011, AL134920, AL134533, AL119439, AL119522, AL119496, AL042970, AL134538, AL119399, AL042965, AL134518, AL037205, U46345, AL119418, AL042614, AL042995, AL134531, AL042896, AL043029, AL042450, AL042544, AL134526, AL042542, AL142139, AL043019, AL042984, AL042551, AL043003, AL119464, AL119488, AL117339, AB026436, AR054110, A81671, AR060234, AR066494, AR069079, U27699</p> |
| 1971 | HBJJF90 | 886505 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1120 of SEQ ID NO:1971, b is an integer of 15 to 1134, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1971, and where b is greater than or equal to a + 14.</p> | <p>AI291206, AI692352, AA159669, AA166774, W87878, H60270, R00390, AI174957, AA082398, AA047213, AI567717, N58610, AA384188, AA344124, AI970562, AI572002, AI860354, AA035047, N26366, AA382178, R21443, AA649513, AA294966, AA393451, AW372027, AW383791, N79097, AW176696, AA579377, AW383795, AW363037, AW372042, AW372015, AI887591, AW383956, AI590368, AA489105, AW379471, H72198, W57920, AA989009, AA286892, AW363951, AA047214, AW372040, AA459578, AW383793, AW383800, AA092369, AW383794, AW364575, AW383786, AC004686, AF161410</p> |
| 1972 | HWLFB44 | 886527 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 437 of</p> | <p>AI688604, AI660552, AI659950, AW296326, AW291582, AI700219, AI380340, AW004785, AW295479, AW006764, AI688540, AA522452, AA594441, AI695451, AA470898, AA594533, AI581787, AI581803, AI581880, AI832419</p> |

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| 1973 | HCE4U96 | 886788 | SEQ ID NO:1972, b is an integer of 15 to 451, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1972, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1371 of SEQ ID NO:1973, b is an integer of 15 to 1385, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1973, and where b is greater than or equal to a + 14. | AI688460, T09220, AA338971, AI969431, AI862437, AI862438, Z42464, W46479, AW163719, AW139376, AA314949, AI214207, AC004382 |
| 1974 | HWLEL48 | 886914 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 734 of SEQ ID NO:1974, b is an integer of 15 to 748, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1974, and where b is greater than or equal to a + 14. | AW014333, AW376283, I82554, U79725, I82549 |
| 1975 | HTGBT14 | 887098 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 757 of | AA528172, AI870515, AW022634, AI122636, AI807139, AI524135, AW117562, AI332968, W94241, AI034051, AW119174, N53839, AI378914, AI708759, AA699609, AA425884, AA909771, AI086409, AI312652, AI382156, AI161356, AA635388, AA633491, W94238, W46444, AA746370, AA228039, |

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| <p>SEQ ID NO:1975, b is an integer of 15 to 771, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1975, and where b is greater than or equal to a + 14.</p> | <p>AI362190, AA443159, AA975136, AI144548, W94114, R33101, AA713985, AI350918, AI301665, AA928203, AI864872, AA702159, AI052284, AI340996, W95293, AA228149, AI497988, AA084519, AA223979, F22291, F21666, AW262545, AI421254, W69785, AI492628, F22149, AI038217, AA782142, H51447, F29644, W95550, AA633151, W51800, AA524187, AI220373, AI718892, AA978346, H51405, AA866163, N73336, T48735, F26124, AI971845, W78797, AA704978, W69733, AI066547, AA082415, AA224044, AA918327, W92564, Z22018, AA306319, AA928012, W46469, AA002051, AA463446, AA970170, W95702, F36672, F20308, R33196, AI460269, F34207, W95701, AA378930, AA090815, AA661851, C21256, T48734, F18648, AA428745, AA093730, AA666150, AA062817, AI027170, AA001847, AI264217, AI653972, AI202069, AL079963, AI539028, AW149925, AI269862, AI364788, AL047763, AL041150, AL042628, AW198075, AI537989, AI932794, AW268220, AI334450, H89138, AI564259, AL119863, AI648663, AI344928, AI358701, AI582932, AL036638, AL045500, AI570807, AL045266, AW079572, AI308032, AI698391, AI344785, AI670009, AW087445, AI889953, AI520809, AA225339, AI345148, AI433976, AL037454, AI620284, AI468872, AW020693, AI335209, AI433157, AI270183, AI554821, AW151136, AI539771, AI537677, AI494201, AI802542, AI500659, AL036631, AW168485, F27788, AI815232, AI801325, AI500523, AI866090, N80094, AI923989, AI284517, AI500706, AI445237, AI491776, AW151138, AI889189, AI521560, AI500662, AI284509, AI288285, AI889168, AI866573, AI633493, AI434256, AI627988, AI344933, AI805769, AI888661, AI284513, AI888118, AI524671, AW162194, AI889147, AI812015,</p> |
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| | AI440252, AI306613, AW051088, AI433037, AI632408, AI886181, AW268302, AA715307, AW072719, AI933589, AI611348, AI635067, AI610645, AL040243, AW103371, AI608936, AI874166, AI254731, AI921248, AI819976, AW023859, AL119791, AL043981, AI886753, AI349004, AI686906, AI927755, AL121270, AI798456, AW051258, AL042551, AI624293, AI611738, AW148970, AI571909, AI619502, AI677796, AI352497, AI349598, AI684021, AI288305, AW118518, AL039276, AW269097, AW026882, AI923370, AI269205, AI064830, AI929108, AI436429, AW193125, AL110402, AI371228, AI500061, AI572892, AI613548, AW083804, AI654276, AI620089, AC004985, AF161453, AF015416, AI2297, I89947, AL133014, AL137271, AL122049, AF111851, AF091084, AF118094, AL133072, A08913, AF078844, AL137521, AL137557, AL117435, AF113019, AL049283, I33392, AL133016, AF026816, AL110280, I48978, AF185576, A08916, U35846, AF008439, A08910, I89931, A08909, AL137538, AL050138, X72889, I49625, AL137459, U80742, AF090901, X98834, AL049464, AF106862, U72620, AL122110, AR011880, AL133080, AF125948, AL133077, AF177401, U91329, AL049452, AL049300, AF125949, A65341, Z82022, AF090903, AL133560, AL137463, AF087943, AL133606, E03348, I03321, AL137560, AL117460, Y14314, AL050149, AL080124, E07361, AF113694, X82434, AF113689, Y16645, AL110196, A77033, A77035, AL080159, E15569, S78214, I48979, S68736, AL049466, A58524, A58523, I00734, X93495, X65873, AF113690, AF090934, AF113677, Y11254, AL049382, E02349, AF113013, AL050277, AL050116, E00617, E00717, E00778, AL122093, AL050393, AL122121, A08912, I26207, AF104032, AF067728, U00763, |
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| 1976 | HKLRB09 | 887114 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1698 of</p> | <p>AJ238278, X63574, AJ012755, AL122123, AL133104, AF017437, AF097996, AL050024, AL133640, AL117583, AL117585, AL122098, AL133113, U42766, A03736, X96540, AF061943, AF003737, AF162270, Y11587, AL137550, AF090943, AF183393, AF158248, AL137292, S61953, U67958, I42402, A93350, AF026124, AF017152, AF090900, AR038854, AL080074, AR000496, U39656, Z72491, AF079763, AR059958, AL110221, AL117457, AF111112, AB019565, AF119337, AL049430, AF113699, AF153205, AF113691, E07108, A07647, AL050146, AL137476, AL137526, I09360, X70685, AL049314, AL137648, AJ242859, L31396, AL096744, AL110225, AL117394, L31397, AL133093, AF113676, AL133565, AF079765, AF057300, AF057299, AJ000937, L30117, AF111849, AL133557, E02221, AL080060, AL133067, AL137556, A90832, AL050172, AF210052, AL122118, AF118070, AL122050, AL133098, AL137533, AL050108, AF146568, AF090896, AF106657, AF118064, M30514, X84990, AL080127, AL133075, AL117440, AL080137, AL137527, E08263, E08264, A93016, AL137480, AF032666, AL049938, A45787, E04233, U96683, AL133568, AJ006417, X53587, AR038969, AR013797, AL133081, AL110197, Y09972, AF061573, U68387, AL137523, X87582, U58996, Y07905, AF081195, AL137294, AL137283, E06743, X83508, AR020905, AL137478, AL137488, AL050092, E05822, E08631, Y10080, L19437, I09499, U78525, AF051325, X92070, AL137705, AL023657, AL117432, AF081197, U49908, AL080086, AF106827, Z37987</p> <p>AI732659, AI791955, AA577625, AW083143, AW138645, AL038837, AL039074, AL039564, AL039109, AL039108, AL039156, AL037051, AL038531, AL039659, AL036725, AL039625, AL039648, AL039629, AL039678, AL040992, AL039150, AL039128, AL037726, AL045337,</p> |
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| SEQ ID NO:1976, b is an integer of 15 to 1712, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1976, and where b is greater than or equal to a + 14. | AL042909, AL039423, AL039410, AL039085, AL045353, AL036973, AL044407, AL039538, AL039924, AL039386, AL038821, AL044530, AL039566, AL039509, AL036196, AL043445, AL037526, AL037639, AL038025, AL036418, AL045341, T24119, AL043422, T24112, AL037615, AL036767, AW013814, AL043441, AL045794, H00069, AL043423, AL036924, AL037082, AL038851, AL037104, AL036117, AL036238, T23947, AL036190, AL036679, AW451070, AL036733, Z99396, AW452756, AL037081, AL037027, AL037601, AL036191, T02921, AL037178, AI535983, AL036158, D51250, AL036765, AL036998, AI535783, AL037054, AL036964, R47228, AL036174, AL037177, AL037021, AL037643, T23659, AL037600, D80253, AL037049, AL037124, AL036858, AL037077, AL036139, AL119457, D59787, AL036132, AL036167, D80043, AL036268, D59275, AL037085, AW450376, AL036152, D80219, AL042544, AL036228, AL119399, T48598, AA514190, Z25782, AL036900, AL038447, D80227, AL036953, AL036808, AL119324, AL042382, AL037047, AL036207, AL079794, AL036227, D80240, AL041862, AL036742, D80134, AL036719, AA631969, AL036150, AL037002, D51423, T11051, AI763414, AL042745, AL119511, AL036999, AL119748, AI174394, AL040243, AL037679, AL042628, AL037569, D80210, Z25783, AI696819, AW151136, AL047675, AL079741, AL046356, D59619, AW029611, AI280732, AL045266, AL079977, AW071349, AI608936, AL042744, AI249877, AL045620, AL046926, AI591407, AW089179, AL047092, AL045163, AL039276, H00072, AL121286, AI433976, AI680162, AL045500, AL042787, AI433157, AI554821, AL049085, AI539771, AI537677, AI432666, AI500659, AI815232, AI648502, AI805769, AI801325, AI648663, AI500523, AI625467, AI582932, AI923989, |
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AI284517, AI500706, AI491776, AI445237,
AW151138, AI889189, AI521560, AI828731,
AI500662, AI284509, AI889168, AI499285,
AW088899, AI433968, AI866573, AI633493,
AI434256, AI888661, AI284513, AI888118,
AI758816, AI633419, AI440252, AI610115,
AW088903, AL045774, AL040241, AI269862,
AI620284, AI917963, N80094, AI913452, AI520702,
AI799199, AW190042, AI932794, AW073994,
AI889953, AI699011, AL042551, AI933785,
AI520809, AW151785, AI537515, AI888944,
AI468872, AI344817, AI929108, AI569309,
AI796743, AW193026, AI608676, AI868831,
AI922901, AI859464, AI364788, AL036638,
AL119791, AI251830, AI365256, AF067797,
AB013456, X68127, AF118808, Z96142, AR062871,
AR036905, A95051, AR031374, A85477, A85396,
AJ244003, AJ244004, AR031375, I18371, AR025207,
V00745, A44171, AR018924, X73004, A63067,
A49700, A51047, A63064, AR018923, A48774,
A63072, A48775, AR017907, AR068507, AR068506,
A38214, A58521, AR015960, I56772, I95540,
AR000007, AR015961, AR020969, A98767, A02712,
A25909, I19516, AJ230933, A93963, A93964,
I63120, A95052, A64081, AR043602, AR043603,
AR043601, A95117, A18053, I06859, A18050,
A84772, A23334, A75888, I70384, A60111, A23633,
AR007512, A23998, I60241, A84776, I60242,
A84773, A84775, AR062872, A84774, AR062873,
A92133, AR067731, AR037157, AR067732, A86792,
A58522, A91750, A58524, A58523, AR054109,
A20702, A43189, A43188, A20700, AF156296,
AJ244005, E13740, Y11926, A67220, I03343,
AR036903, A81878, I66495, I66494, I66498,
I66497, I66496, I66486, I66487, D28584, A24783,
A24782, A35536, A35537, AR022240, A02135,

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| | | | | <p>A02136, A04663, A04664, A11245, A02710, E12615, AR035193, E14304, A07700, I00074, I01992, A13392, A13393, I19517, A27396, A76773, A22413, I28266, I21869, I13349, AR027100, A49045, I25027, E16678, E03165, E16636, I26929, A82653, I44515, I26928, I26930, I26927, A58525, I08051, A93016, A51384, I03665, Y11923, I03664, A15078, A70040, AF156294, A97211, E16590, E00523, AR038286, I25041, I92483, AR000006, AR038762, D88984, I49890, I44516, U87250, A92636, I00079, D14548, E02221, E01614, E13364, A58526, A91753, I00077, AR008430, AR035975, AR035974, AR035977, AR035976, AR035978, D34614, AF019720, S70644, AF096810, A18722, A91754, AB012117, A97221, AF156303, AF156302, X58217, AR064706, I07429, I68636, M32676, AF156304, A10361, AF156299, A60957, I84554, I84553, A60968, AF096793, Y11449, AR066482, A60985, A60990, A60987, S65373, Y17188, A91965, D44443, AB007195, X15418, I69350, AF130655, AR027069, A10363, A20701, X73003, A52326, A04710, I08250, E04616, X13220, S83538, Y11447, AR063812, I07888, E06034, Y11920, Y11587, AL122049, AF156300, AR066494, AR060234, I03663, AL137271, A02711, AF183393, AL117585, AJ000937, I89947, I48978, U80742, AL137463</p> |
| 1977 | H2LAS29 | 887155 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 484 of SEQ ID NO:1977, b is an integer of 15 to 498, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID</p> | <p>AW408152, AW263155, AA360413, AA314512</p> |

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| 1978 | HMEKH10 | 887172 | <p>NO:1977, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 471 of SEQ ID NO:1978, b is an integer of 15 to 4485, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1978, and where b is greater than or equal to a + 14.</p> | <p>AW341677, T06373, AA923375, AI902953, AI016704, AI817516, AI963720, N92756, AL037683, AW303196, AW301350, AW274349, AI368745, AI345681, AI345675, AW088846, AI270117, AW271904, AA577748, AL045077, AI859946, AI267818, AI625244, AI679782, AW302048, AI570261, AW029038, AL044940, AI696962, AW162049, AI929531, AW276435, AA843450, AA587604, AI962050, AA828047, AI061313, AA878149, AA603323, AA502175, AW191886, AI457397, AW407578, AI370475, AW021116, AW088202, AI339850, AI814735, AI890348, AA501784, AW075511, AL038785, AI561060, AW263864, AA503258, AA904211, AI138265, AA533408, AA177061, AA601680, AI918421, AI567674, AI049722, F17700, AA490183, AF085833, U95822, AC006480, AC006441, AC005102, AP000553, AC002492, AL022328, AL020997, AC004217, AC004491, AC002350, AC003003, AC005736, AL133448, AL034555, Z98036, AC005081, AC004967, AL022318, U91326, AL121658, AC007666, AC005562, AC004659, AC005488, AC006011, AL049569, AC020663, Z95152, AL133355, AC004841, AF030453, AL031283, AL034549, AC007242, AC005011, AC002425, AC007055, AB023049, Z83838, AC008009, AF053356, AC002565, AC007192, AL132712, AC005666, AC005839, AL049795, AL033376, AL034423, AC005529, AL022165, AC004019, AC005088, AL024498, AL049830, AC004859, AC009516, AF001552, AL020993, U63721, AC006271, AC004228, AL021395, Z84480, AC004531, AC006449, AF001549, AC000052, AF031078, AP000502, AC004966, AL022313, U91323, AC004087, Z93241, AC005874, AF134471, AF030876, AC004878,</p> |
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| | AC007358, AP000503, AC007993, AJ003147, AC002477, AL035587, AC004216, AL096791, AF037338, AL021155, AL031602, AL121603, AL049869, AC008372, AC006312, AC002301, AC006132, AC004983, AC005229, AC007225, U82828, AL031681, AC004596, AC006013, AC005531, AP001052, AC006285, AC005154, AC006064, AC005920, AP000493, AL021937, AC005899, AC005764, AL031668, AC005578, AC004812, U95740, AC005004, AC004895, AC005940, AC005317, AC005722, AC003041, AC007216, AP000045, AP000113, AL117258, Z98200, AC004167, AC000070, AP000513, AC002426, AC002542, AL121653, Z85986, AC002310, AC005952, Z99716, AF134726, AC005280, AC005015, AL109952, AC003029, AL049779, AC005821, AC005057, AC006130, AC003043, U62293, AF111167, AC006581, AL034548, AC005071, AC005694, AC007899, AC005484, AC005844, AC004813, AC002395, AC002044, AL022326, AC002316, AC003665, AL096701, AL031680, AC004263, Z94721, AL022476, AL049843, AC006211, AL049766, AC007773, AC007308, AC006547, AC004382, AJ246003, AC006071, AL049780, AC005037, AC005520, AC002544, AC005519, AC007298, AC005193, AC002470, AL031577, AL031286, AC002558, AC004150, AC005089, AC008115, Z93017, Z86090, AC005086, AC004990, AP000501, Z98884, AC004796, AC005065, Z98750, AL078603, AC004686, AC002472, U95742, AC007021, AC005104, AL080243, U47924, AB003151, M63543, AP000050, AC006270, AP000036, AC004820, AC004084, AC000353, AL024507, AC002400, AC007114, AL031178, AP000031, AC007151, AC006160, AC004655, AC005295, AL022336, AC016025, AP000952, AC006001, AL133353, AP000133, AC005740, AF205588, Z77249, AL031230, |
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| 1979 | HWLWR3 9 | 887192 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2472 of SEQ ID NO:1979, b is an integer of 15 to 2486, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1979, and where b is greater than or equal to a + 14.</p> | AC005911, AC002549, R69689 AI088434, AA621667, AI346645, AW263010, AI609518, AI625220, AW304172, AW029222, AI608891, AI813425, AW276382, AI827115, AW074235, AI858601, AW082804, AI985831, AA669865, AW170309, AA618054, AI795849, AI683880, AI281027, AI963363, AI623888, AI828889, AW192796, AI818478, AW188700, AW316981, AW183022, AI144179, AA738239, AI955571, AI128137, AA975350, AA523124, AA161208, AI952102, AW339226, AI589258, AA781230, AW337829, AA931097, AI682815, AI348149, AA745890, AI000902, AI187264, AI554320, AA284668, AI304724, AW369971, AI591155, AI149294, AW083724, AI274754, AA969848, AW026240, AI750653, AI433158, AI350439, AA158743, AW238819, AW192073, AA157530, AI357834, AA464119, AA883794, AW176385, AA554892, AI910051, AW362693, AW337353, AW362669, AW062307, AI750652, AI188344, T89676, AI370440, R74284, AI766050, AA100117, AI431334, AA583615, AA284669, AA973099, T29593, AI750507, AA463985, AA192627, AI273199, F06065, AI269833, AI702408, R24159, AI624229, AI583131, AA040727, AW338259, T19421, AW362710, AA345817, AI686279, AI471394, AI702510, AA894583, R39975, AI589449, AA886172, AW081126, AW362723, AW362732, AA195849, AI915757, AI754103, R74194, T19420, AA906982, R27515, AI932864, R80161, R10151, AI269834, AA039591, AA158183, AL042359, AA159558, AW369968, R10562, AA159112, R25662, AA039590, AI11978, E01560, E01559, E00924, E01238, E02114, D00244, E01467, A21571, A09202, A35395, A04029, X02760, I03932, I07013, E00178, A10915, A10916, AI8397, X02419, E00421, E02577, E02649, I08788, |
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| 1980 | HADME31 | 887280 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 901 of SEQ ID NO:1980, b is an integer of 15 to 915, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1980, and where b is greater than or equal to a + 14.</p> | E02832, E02493, E04897, E02578, I48917, E02708, E02579, E02709, E03404, E03403, E03405, X51935, K02286, E06063, I56011, L03546, X85801, E00853, A08501, E06847, E06846, E03402, I05760, X63434, X02724, X01648, X65651, A20747, A83180, AF097647, E01176, A76865, Z36790, I01583, E01603, I01586, E01178, E01604, E01177, E04615, A27451, A27452, E03605, E03858, A31147, A31179, A31178, A31148, A07733, A07732, A31150, A31181, A31151 A1376391, AW044644, AA435896, AI306612, AA824370, AA626315, AA991266, AI192974, N78952, AI401045, N78829, AI077370, AA448861, W68342, AA724792, AI708684, AI370929, AI015595, AI401211, AW043992, AA862620, AI201717, AW005929, AI498880, AI718029, AI333236, W93038, AI092949, AI147031, AI004135, W17346, AA027214, AI525556, AA447925, T98518, AA652731, AA585439, AA878662, W17259, D80253, D80043, D80219, D59787, D59275, AA401790, D80227, AI525316, D51250, W68383, D80240, AI541365, AA585356, D80045, D80210, D51423, AA585440, AI541510, D80134, AI535660, D59619, AI541508, D80391, AI526140, D80193, AI546855, AA585101, AI535639, Z30131, AI541523, AI546828, AI526180, AI541374, AI557731, AI541514, Z28355, D80196, C14227, D80949, AI557262, T11028, AI536138, D59927, AI546999, AI525306, AI557238, AI143531, AI547039, D80168, AI342055, D80366, AI541205, AA585453, AA585434, AI541535, AI541307, T11051, AA585476, D57491, AI556967, AI557799, C16300, R29445, AI525431, AI546945, AI540967, D81026, AI557082, D50995, C14014, AI541534, C16305, AI525856, AI525320, AI557808, AI525328, AI526194, C75259, AL040155, AL041346, AL041096, AL047012, AL041358, AL041277, AL041163, |
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| | AL041098, AL040621, AL043538, AL041324, AL040464, AL044162, AL041086, AL043496, AL041296, AL041233, AI557084, AI546875, AI557787, AL039156, AL043441, AL041140, W25674, AL039150, AJ239433, AL038821, AL039085, AL040193, AI541013, AL043445, AI525653, AI526184, AA585155, AI535813, T24119, T23985, AL040149, AI546899, AL045725, AL041197, D61254, AL043612, T24112, AL039564, AL039538, AI557807, AL039108, AL039678, AI526196, AL039915, AL039074, AL038837, AL039625, AL039648, AL039629, T23888, AI541048, AL037726, AL038531, AL039109, AL040992, AL039924, AL040463, AL039128, AL044407, AL039386, AL036973, AL045337, AL037051, AL039509, AL045353, AL036725, AL039423, AI546891, AL047219, AL041227, AL039566, T23947, AL047057, D59889, AL039659, AL047170, T41289, AL040119, AL047036, AL041292, D55233, AL041159, AL041051, AL047183, AL040322, AL041131, AL046330, AL045341, AL041133, AI541509, AL041238, AL041142, AL045817, AL045794, AL039410, AL040529, AL040625, AL040510, R29218, AL042909, AL043467, AL044186, AL044037, AL040091, AL040128, AL040168, AL040255, AL040285, AL040342, AL040332, AL040617, AL045684, AL040745, AL041347, AL040370, AL043677, AL046442, AL040553, AL040839, AL041752, AL043444, AL043775, AL044165, AL043492, AL041602, AR017907, AR062871, AR062872, AR062873, I13349, A20702, A20700, A43189, A43188, A84772, A84775, A84776, A84773, A84774, AR067731, AR067732, A58522, A91750, U87250, A02712, A18053, A95051, I06859, A23334, A75888, I70384, A18050, A60111, A23633, AR007512, AR043601, A91965, A35537, A35536, A02136, A04664, A02135, A04663, E13740, |
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| | AI1245, I60241, E12615, A02710, I60242, AR035193, A07700, A13393, A13392, A92133, AR027100, I66498, I66497, I66496, I28266, I66486, I21869, A70040, I84554, I84553, I08051, A10361, I19525, A25909, A67220, D34614, X68127, AR025207, Y17188, A85396, I44681, A85477, A86792, A44171, AR038855, I66495, I66494, I66487, AB012117, A38214, I56772, I95540, M28262, AR066482, I68636, AR035975, AR035977, I66485, AR031374, AR031375, A85395, A58521, I18371, A60985, AR020969, A60990, A85476, A91754, A62298, AR037157, AR008430, AF082186, AR035974, AR035976, AR035978, AJ244004, AJ244005, AR008429, A49700, X81969, AJ244003, I48927, A62300, AR054109, AJ244007, A93016, A98420, A98423, A98432, A98436, A98417, A98427, D14548, AR038762, I63120, A98767, U94592, Y16359, A93963, A93964, A58524, AR036905, A58523, AR063812, D78345, Y09813, AR022240, A97211, X83865, I15717, A63067, A51047, A63064, A63072, I15718, AR068507, AR068506, I05558, I08396, AF118808, A95117, I08395, X73004, AR018924, AR018923, A48774, A48775, AR015960, AR000007, AR015961, X55486, I19516, S70644, D88984, A23998, A95052, AR043602, AR043603, Z96142, I00074, I92483, AR038286, E03627, A60212, A60209, A60210, A60211, I62368, A22738, A84916, A24783, A24782, I03665, A64081, I03343, I03331, I00682, D50010, A81878, I03664, A77094, A77095, A15078, E00523, D26022, A11624, A11623, E00609, A64973, I49890, A11178, E01007, AF156296, AR036903, D28584, E14304, I19517, A27396, A76773, A22413, E16590, A49045, E16678, A82653, E16636, Z32836, AF156294, E04616, I01992, AF149828, I25027, I26929, I44515, I26928, I26930, I26927, I25041, AR031488, |
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| 1981 | HFVJL45 | 887399 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1413 of SEQ ID NO:1981, b is an integer of 15 to 1427, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1981, and where b is greater than or equal to a + 14.</p> | <p>I13521, I52048, I44531, A90655, X58217, Y11923, V00745, I44516, AR031566, A58525, I01995, AR038066, AJ230933, AF019720, I18895, E03165, Y11926, A20699, E00696, E00697, A60957, E03813</p> <p>AA429438, AI074616, AW008223, AI523733, AA969328, AI309184, AI910363, T57069, AA973222, AW009928, AI266526, AA664093, AI808681, AI033844, AA860930, AA256367, H49508, AI807270, R95740, AA256366, R95884, AW449536, AI027719, H80516, AI674127, AI202271, T57140, T11308, Z20897, AI247797, AA494323, AI866606, AI866611, H49507, R20117, T18508, T81888, AI247938, AI150468, T71213, AL119324, AL119399, AL134524, AW372827, AL119443, AW392670, AL119391, AW363220, AW384394, AL119457, AL119484, AL134528, AL119439, AL042544, AL119319, AL119497, AL119522, U46346, AL119363, AL119335, AL119496, U46350, AL134518, U46349, AL119444, U46347, U46351, U46341, AI142132, Z99396, AL119355, AL119483, AL042614, AL119396, U46345, AL134538, AI142137, AL134530, AL134519, AL134531, AL119401, AL079687, AL037205, AL042980, AL042896, AL043037, L48516, AC004022, L76193, AC005021, AB026436, AR060234, A81671, AR054110, AR066494, AR069079</p> |
| 1982 | HWLFE56 | 887421 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 697 of SEQ ID NO:1982, b is an integer of 15 to 711, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1982, and where b is greater</p> | <p>AF061056, AF084644, AF084645, AJ009937, AJ009936</p> |

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| 1983 | HSWBP93 | 887475 | <p>than or equal to $a + 14$.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1983, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1983, and where b is greater than or equal to $a + 14$.</p> | <p>AA218952, AA422118, AI267777, AA761846, AA974489, AA249308</p> |
| 1984 | HSLJF91 | 887535 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 450 of SEQ ID NO:1984, b is an integer of 15 to 464, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1984, and where b is greater than or equal to $a + 14$.</p> | <p>AI525881, D78870, H11172, R19956, AA308077, AI591060, AA350839, AI557291, AF091352, A64392, AB021221, S82167, X62568, M32977, A64394, A64398, A64402, AF022375, A92244, A64400, X81380, M31836, M32976, AF071015, AF133248, A92248, S85192, AJ010438, A92246, M27281, A64396, A92242, AF214570, E13215, AF186236, E15157, M32167, M33750, S38083, X89506, AF133249, AF133250, M63974, A64404, AF215726, AF222779, AF215725, L20913, S38100, S37052, AF062645, AF106942, AF022179, S85199</p> |
| 1985 | HKLSC61 | 887803 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1219 of SEQ ID NO:1985, b is an integer of 15 to 1233, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1985, and where b is greater</p> | <p>AL039924, AL045794, AW013814, T02921, T24119, T24112, AL036630, D51250, D80043, D80253, D59787, D80219, AL039629, AL039625, AL039648, AL038837, AL039074, AL037726, AL039678, AL039108, AL039538, AL039564, AL039156, D59275, AL039659, AL039566, AL039509, AL039150, D80227, AL044530, AL038531, AL039109, AL038821, AL040992, H00069, AL043423, AL039128, AL044407, AL036973, AL045337, AL037051, AL045353, D80240, AL039386, AL039476, AL045341, AL039423, AL042909, AL043441, AL044412, AL039410,</p> |

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| than or equal to a + 14. | <p> AL044364, AL043445, AL038025, AL043422, D80210, AL036725, D51423, D80134, D59619, D80391, D80193, D59927, R47228, AL043586, D80196, D80949, C14227, AW450335, AL039521, AL039085, AL036196, T23947, AL037526, AI535783, AL037639, AW451070, D80366, D80168, AL037615, D80045, AI535983, AW452756, T11051, D81026, D50995, C14014, C75259, AL036767, AL036117, AL039459, AL039842, AL036924, D59889, AL037601, AI557751, AL036238, C15076, AL036733, AL037082, AL036679, AL038851, D80022, AL036418, D80038, T23659, AL037054, D80195, AL037027, AL036765, AL039504, AL036158, D58283, T11417, D81030, C14429, AW293068, D80188, AL037047, AL036964, AL036190, D51799, D80378, D59467, AL036650, F13647, AL036191, AL037104, T03269, AL037177, AL036998, AL037679, D50979, D80522, T48598, D80212, AL037178, C14298, AL036207, AL036227, D59502, AL037643, Z21582, AL036132, AL036167, AA285331, AL037600, AW450376, AA514190, D80164, C14331, D59859, D59695, D80166, AI021934, AL037124, D80269, AW206560, D80268, AL036152, AL042334, AL036174, Z25782, AL037021, D52291, D58253, D80024, AL048425, Z99396, AL036900, AL036139, D57483, AL044447, D59610, AL037085, D59627, D80241, AI910186, D81111, C14407, C14389, AW451416, H00072, T23656, AL037081, D51060, AL036228, AW178893, AA305409, AL037077, AL036268, D51079, AI763414, AL037569, AL036953, AW177440, AA305578, D51022, AW179328, AL039555, AW178775, D80014, AW378532, D80248, AL036808, AW352158, AW377671, AI905856, AW369651, D51213, D80251, D51097, AA514188, AL036858, AW178762, AW177501, D80064, AW177511, AL037002, AW360834, D80133, AA514186, AW360811, AI557774, AW378540, AW352117, T02974, Z25783, AL039417, C05695, </p> |
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| | AW176467, AW375405, AL044413, AW135155, D80132, AA809122, AW366296, AW179332, AW360844, AW360817, AW375406, AW378534, AW377672, D80439, AW179023, A85396, A25909, X68127, A85477, A86792, A44171, AR062871, A84775, AR062872, A84772, AR037157, AR062873, A84776, A84773, AR017907, A84774, AR067731, AR067732, A20702, A58522, A91750, A43189, A43188, A20700, AJ244003, AR036905, AR025207, A95051, A98767, A38214, A95117, A95052, I56772, I95540, AR018924, AR031374, A93963, A93964, A63067, A18053, A51047, A63064, AR018923, A49700, I18371, A48774, AR031375, AR043602, A63072, AR043603, AR043601, A48775, A23334, AR068507, A75888, I70384, AR068506, A18050, A60111, A23633, AR015960, A23998, AR007512, AR000007, AR015961, A58521, I63120, I60241, I60242, I03343, AR020969, AR054109, AR022240, A81878, A58524, E12615, AR035193, A92133, A24783, A24782, A58523, E14304, A27396, AR027100, I28266, I06859, A49045, E16678, A82653, E16636, AR038762, A93016, I25027, I26929, I44515, I26928, I26930, I26927, A58525, E13740, I49890, AR000006, I44516, A58526, A91753, AF156296, A10361, E06034, AF156294, A64081, A67220, U87250, A13038, A29289, AJ244004, D34614, AR008430, AR029417, A71435, AB012117, I13349, Z96142, A97211, A07699, E08322, I74623, A71440, V00745, AF156303, Y17188, A02712, X73004, AR028669, AR028668, AR028667, AR017908, AR028670, A68112, A68104, AR067733, AF118808, I62368, AR031488, I13521, AJ230933, A98467, AR029418, I52048, I44531, AR067734, A84746, I66495, I66494, A60109, A17115, A18079, AR028672, I66498, I66497, I66496, AR038066, I50882, I66486, I66487, I15353, I19516, A83643, |
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| 1986 | HLJEA63 | 887857 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1569 of SEQ ID NO:1986, b is an integer of 15 to 1583, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1986, and where b is greater than or equal to a + 14.</p> | AR036903, A11245, A02710, A35536, A35537, A07700, A13392, A13393, I19517, A02135, A04663, A02136, A04664, E03165, A97155, A76773, A22413, D28584, A70040, I21869, I01992, AR066482, AJ244005, AR028564, A83151, I08051, I00081, I00074, A98420, A98423, A98432, A98436, A98417, A98427, A15078, Y11926, I03665, I03664, Y11923, I01968, A13388, E00974, A02228, E00954, E00952, E00953, E00955, I08049, I43960, AR021440, E02221, E01614, E13364, I08776, A10360, E02679, E02104, E02098, A92666, E02001, E01718, E02003, E02102, E03550, E02096, A28163, E02100, E01997, A58998, E02291, E02292, E02293, E01999, E02396, E02327, E01563, E02431, E01693, E01696, A92668, AR005163, AR005154, AR005157 AI148864, AW080794, AW170514, AW006431, AI832265, AI188759, AW001480, AW168034, AW129649, AA769641, AW172714, AI598083, AA552439, AI587171, AI151456, AI151778, AI684150, AI339143, AA621571, AI221080, AI279608, AI347951, AA512993, AW243807, AI471439, AA627704, AA973368, AI346482, AI050852, AA194025, AA410196, AI262321, AI829191, AI344709, AA808606, AA832492, AI984534, AA149786, AI189417, AI446633, AI828290, AA580361, AI206376, AI924092, T98835, AW273245, AI300760, AI271915, AA133687, AI074095, AA659629, AW450853, W07258, AI435798, AA976596, AA603691, AW292998, AI950654, AA875879, AI244806, N29871, AA948384, AA946812, AA862576, AI804146, AI982855, AA812251, AA888824, N79741, AI832503, AA133726, AA577501, AA297383, AI220826, AA297386, AA535896, H95187, W79526, AA287234, AW190388, AA631290, AA908173, R47933, AA872504, AA496489, AI301669, AA297379, AA427910, R69472, AW004671, AA284504, AA746077, |
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| | AA989485, T98916, AA487702, AA297484, AA297153, AA464649, AA292774, AW170481, AI963760, W79558, AA394263, AI986058, AA903542, AW079683, AA487488, T98961, AI342966, AI982682, U46323, AA287210, AA297527, AA341051, AA861541, AA297453, AA557937, AA133595, AA464548, AA553875, AA486446, AI275661, AI719497, AA496440, AA481372, AI673125, AA565649, C21003, AA428283, T53668, AA298491, AI749779, AA421514, AW007555, AA411012, AI273816, N57294, AA340864, AA133686, AA327635, AA411355, AJ011497, AC003688, AF087825, AL137550, I89947, AF069506, AL137480, I48978, AF159615, A70386, AF102578, A77033, A77035, A08910, A08909, AL050024, X83544, AL049347, AL137459, AF177401, AR038854, AF026816, A08913, Z37987, U73682, AL110280, A58524, A58523, AL122110, AF183393, Y14314, AL117435, AL080159, AL035458, AL122050, AF124728, U80742, AL137548, Z97214, AL137539, AF087943, AL117457, AR068753, AL137533, AR034821, AF113019, A07588, S36676, S83440, E02221, X82434, Y16645, AL133113, U35846, Z82022, I25049, AF185576, AL080126, AF057300, AF057299, AF013214, AL136884, I48979, AF082526, I33392, A76335, A08916, A08912, AL137292, AF008439, I89931, S63521, A65341, AF090903, AL080148, AJ005690, I49625, AF119336, AJ000937, AL117460, AF100752, X63574, AL133112, X63162, AF185614, AL122118, AF113677, AL117587, AL137271, AF111849, AF026124, AF180525, AF002672, U49908, AL117635, AF097996, AL049382, AL050172, AL110296, I66342, X83508, A15345, AF113689, AF067728, X80340, AF039138, AF039137, AL122093, AL050138, AF106862, AR011880, AL133623, AL137463, S61953, AL137283, AL050149, AL133619, AL137521, X72889, AL137478, AL137560, |
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| 1987 | HWLOA40 | 887892 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1987, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1987, and where b is greater than or equal to a + 14.</p> | <p>AF079763, AL110221, I25048, AF162270, AL117648, LI3297, AR000496, A93914, U39656, AF090900, I09499, AF182215, AL133560, AB031064, AR020905, AL133637, U92992, AF100931, X66862, AF054599, AL049938, AL133557, A93350, AL096744, AL050146, AF061981, A52563, X66366, AJ012755, AL080118, X61970, U75932, AF113694, E03348, AL133080, AF051325, U58996, X84990, E01314, AF118558, AL049452, AL133031, AF061573, AF124435, AF076464, AL050277, A65340, AL049283, I33391, AL137530, M30514, L30117, S82852, AL133075, AL137558, AL117440, AL049447, AL133067, AL133084, AL137557, AF118070, AL133640, AL117626, I26207, AF111851, A45787, AF106657, X98834, AF017437, A08908, AL049300, AL080146, E02349, AL137554, AL080074, AB007812, AL137529, Y09972, X57084, AL023657, X93495, AL137555, AL133049, A03736, AF104032, I68732, I00734, AL133559, AF090934, AF145233, AL049430, AF113699, AF162782</p> |
| 1988 | HCQCF10 | 887936 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by</p> | <p>AA298484, AA297176, AA297147, AW001287, AW300770, AI691072, AA563933, I95745</p> <p>W15466, AI862531, AI823607, D80998, AA115712, AA410501, H66313, W37614, AF131758</p> |

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| 1989 | HAIBW90 | 887996 | <p>the general formula of a-b, where a is any integer between 1 to 332 of SEQ ID NO:1988, b is an integer of 15 to 346, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1988, and where b is greater than or equal to a + 14.</p> <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 938 of SEQ ID NO:1989, b is an integer of 15 to 952, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1989, and where b is greater than or equal to a + 14.</p> | <p>AI185821, AA481723, AA626700, AW367390, AA313767, AA195688, AA315033, AA479334, AA989012, AA479641, AA479335, AA165042, AI400160, AW370132, AI924188, AW015034, F06368, C15288, H89161, AA364967, AW262875, AI566873, AA371283, AI566669, AI864174, AA304171, AI337891, AA295611, AA363869, T34361, C16344, T35252, AA374955, C16080, AI758577, AA406614, AW131846, AI811951, T19059, AW087747, AA77509, AA934901, N40173, R46865, AW157527, AI374781, AI379523, H64413, AI371781, R78607, AW173107, AA532727, AI742506, AA195689, AA235284, AA363917, AI801399, AI081113, AA295789, AI742505, AI087379, AA527113, AA527036, AA373921, AI952545, AI269215, AI245243, AA302499, AI792601, AA600140, AI040546, H92421, C16267, AI805770, Z24901, AA625963, AI139790, AI360032, N40209, AI084568, D57610, AI753737, C16455, R35721, AA159931, AI024890, AI869836, AI829158, AI804015, AA477326, AA430365, AI640196, N30689, AI371005, AA478600, AA256968, AA021044, AA657967, AW072764, N41298, AA905154, AA758776, AI955815, AA865424, AI857650, AI091988, AW242058, H92638, AA234867, AI864141, AA252106, AA424350, AA302462, AI468749, AW090440, AI336687, AA732498, AA302463, C16184, R78608, AW085952, AI934133, AI269595, AI422703, F05286, R46768, C16334, AB006077, AF006484</p> |
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| 1990 | H2CBE03 | 888041 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 592 of SEQ ID NO:1990, b is an integer of 15 to 606, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1990, and where b is greater than or equal to a + 14.</p> | AA307070, D80268, D80366, F13647, C14389, C06015, D80522, AA305578, C14227, AW369651, D50995, AW177440, D51022, D81026, C14331, D81111, D80391, D80248, D59787, AW178986, D58283, D59619, D80210, D80240, D50979, AA514188, D80195, AA305409, D80196, D59859, D80022, D80043, D80166, D59927, D59467, D51423, D51799, D80164, D59275, D80253, D80038, D80227, D59502, D80212, D81030, D80219, D51060, D80188, Z21582, AA514186, D59889, D80439, C15076, D59653, D80269, D59610, D57483, D80193, D80045, D80024, T03116, D80247, D80064, AW378533, D80378, D51759, D80241, C14014, T03269, AW178893, D80133, AW178906, D80302, D80168, C14407, D80157, AW360811, AW178759, D51103, C75259, AW378540, D80251, D80949, AW352120, AW377671, AW375405, C14298, AW179328, C05695, AW378532, D52291, D45260, AW366296, AW360817, T02974, AW179020, AW375406, T48593, AW378534, AW179332, AW377672, AW378528, AW179023, AW178905, AW352158, D51250, AW177731, AW178762, AW178754, AW179019, AW179024, D59373, C05763, D51213, AI557751, D80134, H67854, C03092, H67866, D80132, AA809122, AW179004, AW360834, T11417, D59627, AW177456, AW377676, AW352171, AW352170, AW178907, AW178908, AI525923, C14077, AW367950, AW378520, C14973, C14344, AI525917, D59317, D58246, D80258, AW179012, AW178980, D80014, AW177733, D59503, AW179018, AW178914, AW178774, C14046, D51221, D60010, D59474, AI557774, D58101, AI525920, AA514184, AW378525, AI535686, AW378543, AW178911, AW352163, C14957, AW178781, D59551, AI525227, D80228, AA285331, AW177728, AI525235, C16955, AI525912, AI525922, AI905856, D45273, AI525242, Z33452, AI525925, AI525237, AI525215, AA305720, AW378542, C13958, |
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| 1991 | HE9QI19 | 888051 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1083 of SEQ ID NO:1991, b is an integer of 15 to 1097, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1991, and where b is greater than or equal to a + 14.</p> | <p>H67858, T03048, AI525222, T02868, F13796, AW360855, Z30160, D31458, D51053, D79997, L76158, X95351, AJ132110, A84916, A62300, A62298, AR018138, AR008278, AF058696, AB028859, A82595, AR060385, I82448, AB002449, I50126, I50132, I50128, I50133, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, Y12724, AR016514, X68127, A94995, AR060138, A45456, A26615, AR052274, AR066488, Y09669, A43192, A43190, AR038669, I14842, AR008443, AR066487, AR054175, D88547, A30438, Y17187, A63261, X82626, AR008277, AR008281, D50010, AR062872, A70867, AR016691, AR016690, U46128, AR016808, AR008408, AR025207, X64588, A64136, A68321, I79511, D13509, AR060133, I18367, AF123263</p> |
| 1992 | HJACE25 | 888063 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 889 of SEQ ID NO:1992, b is an integer of 15 to 903, where both a and b correspond to the positions of</p> | <p>AL043100, AL045367, AL042404, AA326785, R34387, AL042017, U82535, AB027132, U72497, AF098012, U82536, AF097999, AF098010, AF098011, AL050372</p> <p>AL110457, AA311008, AA732444, N40873, W95689, AW027795, AI521613, AI282709, AA313089, AI694158, N30086, AA278139, AI419081, AA767732, AI918715, D80391, D80196, AI282428, D59787, D51423, D80227, D59859, D51799, D80038, D80269, D80166, D80253, D59619, D80210, D80240, D58283, D80188, D80212, D81030, D57483, D80195, D59889, D80219, D59610, D80043, D59467, D59502, D59927, D80022, D80366, D59275, D80193, D80241, D80378,</p> |

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| | | | <p>nucleotide residues shown in SEQ ID NO:1992, and where b is greater than or equal to a + 14.</p> <p>D80024, D50995, D50979, C75259, C14429, D80164, T03269, D80045, C14389, C14331, C15076, C14014, D51060, AA305409, AA352266, D80134, AW178893, D51250, C14227, D81026, D80949, D80268, F13647, D58253, AW178775, D51079, AW177440, D80168, D51022, D80522, D81111, AW179328, Z21582, AW352158, AW378532, AA305578, D59695, AW177501, D80251, AW177511, AW369651, AA557885, D52291, D80248, AI905856, AW178762, AA514188, C14298, D80064, AA514186, D80133, AW352117, D51097, AA285331, AW360811, AW378540, AW377671, C14407, AW375405, AW360844, AW360834, AW366296, D80439, D80132, AW360817, AW375406, AW378534, AW352171, AW179332, AW377672, AW179023, AW377676, AW178905, AW178754, AW179018, AW179024, AW179220, AW177505, T03116, AW360841, AW179020, D80302, AW178909, AW177456, AW352170, AW178906, AW177731, AW178907, AW179019, AW178971, D80247, AI557751, AW179004, AW179329, T02974, AW352174, AW179012, AW178980, D80014, AW177733, AW378528, AW178908, AW378543, T11417, D80157, AW179009, AW178914, AW378525, D51103, D51759, AW367967, AW178983, AW352120, D58246, AW177728, AW178774, AW178781, AW178911, AW352163, D58101, C06015, AI557774, T48593, AW378539, D80258, D59503, D51213, D59627, D45260, H67854, D50981, AW378533, AW367950, AW178986, AI525923, D45273, C03092, H67866, AA809122, AW177734, AI525917, Z33452, D59474, AI525920, D51221, D59317, C14344, C14973, AA514184, T03048, AA033512, AI525227, AI535686, AW179013, AW178759, D59551, AF080255, AF073771, A62298, A84916, A62300, AJ132110, X67155, AR018138, D89785, Y17188, A67220, A78862, D26022, A25909, D34614, D88547, AR025207, AR008278, X82626, AF058696, AB028859, AB012117, Y12724, X68127, A85396, AR066482,</p> |
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| 1993 | HMWIR85 | 888153 | <p>Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2985 of SEQ ID NO:1993, b is an integer of 15 to 2999, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1993, and where b is greater than or equal to a + 14.</p> | A44171, A85477, I19525, A86792, A82595, U87250, X93549, A94995, AR060385, AB002449, AR016808, AR008443, I50126, I50132, I50128, I50133, AR066488, AF135125, AR016514, AR060138, A45456, A26615, AR052274, Y09669, A43192, A43190, AR038669, AR066487, AR066490, A30438, I18367, D88507, I14842, AR054175, AR008277, AR008281, D50010, Y17187, X64588, AB033111, A63261, AR064240, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, Z32749, U87247, AB023656, AF123263, X93535, AR008382 AA195033, AW150723, AI805372, AI826894, AW245532, AW250255, AW269478, AI929681, AI814415, AI984552, AI081263, AW178616, AW352048, AW352014, AW250589, AW178530, AI688093, AW352019, AW178493, AW178640, AA861507, AW178500, AI146435, AW178537, AA514698, N51685, AW352042, AW352039, AW366094, AW352051, W44438, AW178535, AW178604, AI608989, AW178504, AW352041, AW352035, AA936386, AA573323, AW178641, AW178529, AI566475, AA928767, AI963685, AW178642, AA826410, AW178605, AA648798, AA250731, AW178506, AI360338, AA865431, AI342420, AI439684, AI351346, AI039102, AI355698, AI870134, AI308956, AI820041, AW178495, AA502283, AI015535, AI096589, AI683046, AI884370, AI473866, AW178634, AW178667, AA495743, AW178531, AW178614, AA196630, AA533557, AA122301, AI090332, N53164, AA024938, AW178637, AI370758, AW178536, AW366100, AI832020, AI859889, AI571925, AI274028, AA024855, AA206040, AA583100, AW178507, AW178533, AW178615, AI289830, AW352018, AA636082, AW178672, AI220039, AA654736, AI831555, |
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